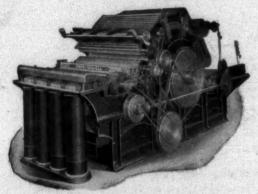
SOUTHERN IEXTILE BULLETIN

VOL. X

CHARLOTTE, N. C., OCTOBER 7, 1915

NUMBER 6

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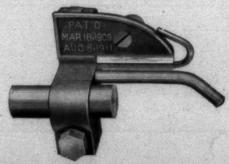
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SOUTHERN IEXTILE BULLETIN

VOLUME X

CHARLOTTE, N. C., OCTOBER 7, 1915

NUMBER 6

Ball-Bearings for Cotton Mills

(Continued from Last Week).

VII Nappers.

Probably one of the earliest and chinery was made by the German napper builders some eight or more years ago. The severe service of the worker rolls produce journal friction, which consumed an excessive

industry.

Stock and Yarn Dyers.

amount of power and destroyed the rapid and uniform drying of stock plain bearings. These rolls operated and the yarn is the method of cirat high speeds, on account of their culating and exhausting the air. The signed especially to be smooth runlength, are subject to "whip" or prime mover is the fan that keeps ning, and because of their freedom power tests have shown a saving of
"ballooning", which makes use of the air circulating, and the power, from wear, prevent vibration of the
self aligning bearings imperative. oil and attention required for its bearings.

One large loom builder demon-

self-aligning feature. Had a bear- but very little attention and at the reduce friction, especially on heavy ing of any other type been used, the same time be exceedingly light run- broad canvas and duck weaves. Ball some would have prematurely gone ning. It will be readily appreciated thrust bearings used at the friction to pieces." Probably one of the earliest and Which helps to explain why ball any shake will be communicated to fibre washers which collect lint and most extensive applications of the hearings in general are proving so the sides of the dryer. The sides bedust and wear rapidly. A bad fitting modern ball bearing to textile map popular in the cotton manufacturing ing of sheet metal, will easily vicerank shaft box is a source of lubrate, and by nature of their structure will be noisy. Also, if the fan One of the vital principles in the vibration takes place. Ball bearings One installation which was made are especially desirable, as the ob- nearly four years ago is still in opviate these difficulties. They are de-

ard of fire.

brication trouble and damage to goods from oil stains. To remedy is out of balance, the shaft is likely this successfully, ball bearings are to crystlize at the point where the used on crank shafts and cam shafts. eration without adjustment nor re-

One large loom builder demon-The use of ball bearings for dryer strated successfully the use of a fans is a preventive against the haz- belt on this machine one-half as wide as is used on regular plain They also save over 331-3 per bearing looms; therefore, on a large cent. of the total driving power, weave room equipment, the savings

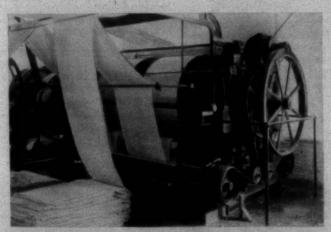


Figure 22.-A Ball Bearing Napper Machine, Motor Driven.

these workers create a high bearing In some types of dryers, the ball load, which feature favors the use bearings are mounted in suitably deof ball bearings.

remains anone, and about 3% horse pow- applied to nearly all dryers now in the complete napper is in use, in an exactly similar position operation. Formerly, with plain to the old plain hearing pedestals bearing worker rolls, over 8 horse which have heretofore been employ—which means smaller motors and in belting and motive power will consequent reduction in initial in—amount to a very considerable item. On direct connected motor looms, cent. in favor of ball bearings. It are mounted upon hollow tubing ings in maintenance costs are also these ball bearings have helped may be interesting to the starting difficulty by re-

ings on nappers, vis:

"We wish to express our high appreciation of the mechanical and the circulating fan motors keep would be of interest to the mill mantheoretical design of these ball bear- a large volume of heated air conings. The loads carried by these stantly in circulation. It is also esmachines are such as to make it sential that such a fan should run On looms the take-up roll is very the journals become grooved and absolutely necessary to have the absolutely with no vibration, with often mounted on ball bearings to

ings to cotton mill machinery which finder stasners are equipped.

After the cylinder has been used for some time, the trunnions wear down.

On looms the take-up roll is very the journals become grooved and absolutely necessary to have the absolutely with no vibration, with often mounted on ball bearings to

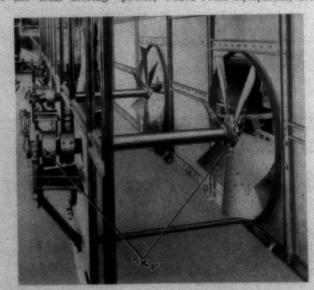
(Continued on Page 5.)

The severely tight belts used on operation are obvously important.

signed pillow blocks which are se-On a 36 roll, 80-inch napper, 8- curely bolted to the dryer frame, inch belts are used and 3% horse The construction is such that these power is required to drive these pillow blocks and bearings can be rolls alone, and about 5% horse pow- applied to nearly all dryers now in

may be interesting to note that up which extends through the drying effected by the use of these bearsolve the starting difficulty by reto within a year ago 40,000 of these chamber and is supported with a ings, for the reason that they operducing the starting torque of the ball bearings were used annually bearing on each side of the machine, ate for long periods of time without on worker rolls on nappers through—or they may be attached to a hollow renewal of the lubricant. Ball bearout the world (this embraces both tube running on ball earings. Figure ings require about one-fourth of cotton and wooden nappers).

26 shows this construction. The the lubricant generally used in plain cylinder slashers is similar to their use on the large drying cylinders in manufacture using these ball bear—oil cups are used, peressitates little. There are numerous other efficiency. manufacture using these ball bear- oil cups are used, necessitates little



oil cups are used, necessitates little There are numerous other effi-attention, and at one side of the macient applications of these ball bear-chne only.

the paper trade. To textile men the conditions to be found where cy-

What You Will See at the Textile Exposition

some of the exhibits which will be installed at the Southern Textile Co. have taken two sections issues during October.

Warren Webster & Company.

Warren, Webster & Co., of Camden, N. J., will make a special feature in their exhibit in space 101 at Greenville of the Webster-Lea Heater-Meter. This will be exhibited in combination with the Yarnall-Waring Co., who are the manufacturers of the "Lea" V-Notch Recording Meter, while Warren Webster & Co., of course, manufacture the Webster Feed-water Heater.

They propose to have a Webster-Lea Heater-Meter of one of the small sizes at the exhibit of the various parts of the machine in so far as the passage of water through it is concerned.

In addition, they will exhibit some of the numerous Webster Special-ties which enter into the installation of a complete Webster Heating

The American Pulley Company.

The American Pulley Company of Philadelphia, will have a complete and interesting exhibit in spaces 356 and 357 at the Southern Textile Exhibition, in which they will show, not only an assortment of different sizes of their standard "American" split steel belt pulleys, but also a number of special features descriptive of their product.

which is a little ciency Indicator. machine designed by them (patent applied for) capable of registering power consumed by a revolving pultey down to 1/3000 of a H. P. By the use of this machine, it is possible to determine what is the power consumed by pulleys, of the same size but of different make, as water paint. they revolve idle on a shaft. It is a perhaps not often appreciated, that the type and design of a pulley is of extreme importance when considering the power factor in a mill. Some pulleys, having wide arms, fan air as they revolve, to an extent which means much power con-sumed and consequent loss of the eoal pile. Other pulleys, properly designed, with thin arms which cut the air, show the last word in efficiency in this respect. The representative of The American Pulley Company will be able to show some surprising figures and will be glad to make demonstration on the machine in question.

There will also be shown some be in charge of the exhibit. large pulleys and some pulleys of special character, particularly apted for use in textile mills.

Panama-Pacific position for their belt pulleys.

Burroughs Adding Machine Co.

The Borroughs Adding Machine Nos. Exposition at Greenville, S. C., Nov. 319A and 319B for their exhibit at 2nd to 6th, 1915. Descriptions of all the Southern Textile Exhibition, all especially adapted to cotton mill and can be described breifly work as follows:

First, the Calculating Machine, a very light, durable machine, used largely in cost keeping, invoicing and any other work requiring multiplication or division. This is a sk machine and while it is extra light is durable as any of their highest priced machine.

Second, their Duplex Machine, a machine containing two sets of adding wheels, used in invoicing, running four columns at one time as follows: bale number, pounds, pieces and yards, adding the pounds and yards and not adding the pieces and bale numbers. There are great many other uses to which this machine can be put, such as trial balances, and any work necessitating the use of three or four columns.

Ledger Posting Machine with which it is possible to post direct to the ledger with the machine. This machine is a comparatively recent invention and is meeting with a success far in excess of expectations. Floyd Hughes, their Greenville, S. sales manager, will be in charge of the exhibit.

U. S. Gutta Percha Paint Co.

At space 234 the U.S. Gutta Per-The exhibit of chief interest, per-cha Paint Co., of Providence, R. I., haps, is what they call their "Effi-will show photographs of many Southern textile mills where Rice's Mill White has been used with satisfaction on ceilings and One photograph will be of particular interest for it demonstrates the tremendous advantage in using a permanent glossy finish like Rice's Mill White as compared to cold

On this mill ceiling, the condition improved Bartlett let off motion. of the surface after the cold water The change pick gearing as paint has, as usual, flaked off, is shown to be blotchy and more of the paint has scaled than has adhered to the surface. It is shown a tile-like, light reflecting, durable finish obtained.

They will display prominently a white painted barrel representing representing trade-mark "Barreled Sunlight" and have panels to show at a glance the advantages of the sanitary and light reflecting finish of arily with belt driving a friction Rice's Mill White. J. S. Palmer, pulley is supplied. their Southern representative, will The automatic features operating

Mason Machine Works.

It may be said in conclusion that Taunton, Mass., will exhibit and The American Pulley Company has have in operation at Greenville, S. just been awarded a gold medal at C., from November 2nd to 6th, 1915, International a New Model Spinning Frame, fitted up with the latest ideas of equip- sized hopper or magazine with all

ment necessary for the economical operating motions self spinning of high grade yarns.

panels have been replaced and the cloth. self-locking arrangement been replaced. After this has been done simple, and has very few parts for the belt can be shipped to the tight pulley. Freedom from accidents to operators is assured by these safeguards as it is impossible to get at the gearing while the frame is run-

The tin cylinders are made extra heavy and run in self-oiling boxes provided with brass bushings

The spindles are the well-known Draper type of expanding clutch with flat whorls, using a flat braided band in connection with the popular method of driving four spindles with one band.

Special attention is called to the They will also demonstrate their endless band method of driving angles on one point. spindles is worthy of careful examination.

> The lever screws, saddles, cap bars and top rolls are all of a high grade of workmanship.

> The motor with which the frame is driven is of a standard type of textile mill motor, loaned through the courtesy of the General Electric Company.

The loom exhibited is Mason Machine Works standard type of loom best adapted to receive the automatic filling supply, warp stop motion and filling feeler mechanism, built by and installed on the loom by the Hopedale Mfg. Co., of Milford, Mass.

The frame of the loom is of new design, accurately machined and assembled, provided with high take up roller, positively driven worm biting stencils, Copper and Rubber type of take up mechanism and an stamps, Stencil inks, and the Ideal

The change pick gearing as arranged on this loom allows picks in the cloth for each tooth in the change pick gear.

Attention is called to the lathe, how this sort of a condition can be sweep arms, laths swords and par-remedied by "The Rice Method" and allel motion, all designed to work in harmony with the automatic features.

> Friction driving is standard on this loom and in this particular case the friction is driven with a standard loom motor furnished by the General Electric Company, Ordin- angles. This adds materially to the arily with belt driving a friction strength, in fact, this 1-4" three

The automatic features operating on this loom are built by and at- The three ply veneer case is about tached to the loom by the Hopedale 60 per cent as heavy as any other Mfg. Co., of Milford, Mass., an con-The Mason Machine Works, of sists of a Filling Changing Mechanism, Warp Stop Motion, Thread Cutting Temples, and Feeler Mechanism

The filling chamber has a full

The shuttle feeler is mounted on This spinning frame, although the hopper plate, and is adjustable only of model size, shows the rigid so as to compensate for any irregso as to compensate for any irregconstruction of the head end, which ularity in the height of the loom 2nd to 6th, 1915. Descriptions of all the Southern Textile Exhibition, contains all the gearing for both lathe due to wear, and can be adexhibits will appear in our other and expect to feature perhaps only the twist gears and builder motion, justed from time to time as occathree of their 98 models at this A special feature of the Mason sion may reequire. A new method meeting. These three machines are head end is the self-locking ar- of operating the feed of the hopper rangement whereby the panels ensures a bobbin being in place for which allow of access to the gears transfer, even if there is but one cannot be opened while the belt is bobbin in the hopper. Misthreading on the tight pulley and neither can device permits the least stoppage the frame be started again until the consistent with perfect quality

> The Warp stop motion is very a mechanical warp stop. It is adjustable up and down, front or back, thus allowing of ease of adjust-ment and application. The feeder bar operates from a cam on the cam shaft, and an interruption of its full swing causes thee knock off mechanism to strike a clamp on the sword. The sword transfers the motion to the shipper lundle. The feeler bar is eeasily disconnected when starting up a new warp. The motion does not damage or twist the stop motion wires, and it will cause the loom to stop whether the wire is flat or has caught at right

The feeler mechanism shown, marks a real advance on other types. This feeder does not require special bobbins, shuttles, bunch builders on spinning frames, or complicated battery parts. The percentage of waste caused by previous feelers has been reduced to less than one per cent.

The thread breaking temple performs its work in a positive man-ner, without the use of cutters, knives, or other deicate pieces which are liable to come loose, or get out of order.

Dixie Seal & Stamp Company.

The Dixie Seal & Stamp Company will have space No. 365 at the Southern Textile Exposition, exhi-Stencil Machine.

Empire Manufacturing Company

The Empire Manufacturing Company of Goldsboro, N. C. expect to have an exhibit in space 312 A samples of their three ply veneer packing cases, three ply cloth boards and three ply circles which are used for shipping yarns on beams.

The three ply packing case is made of three pieces of thin lumber usually 1-12" glued togetheer with the grains running at right is fully as strong as 7-8" pine

The three ply veneer case is about case of equal strength, and as the sides, ends, tops and bottoms are each made of one piece it makes a practically dirt and dust proof

This case is particularly well suit-(Continued on Page 9.)

How to Make High-Grade Ring Frame Knitting Yarns

Contributed to the Southern Textile Bulletin by a Superintendent

Sizing and Weighing Sliver

The overseer should in my opintimes each day. This will give him With le an opportunity to keep track of any light or heavy laps that may get on the cards, and correct it to a certain extent before it gets all through the roving and machinery. Some overseers weigh six or more yards at one time which in my opinion is wrong, as they only get the average this way.

While if they were to weigh one yard from each delivery separately they could detect the varation locate the trouble if too great and cate the trouble if too great and trumpet and front roll while the the rolls will cause uneven draw- to get had work, as the rolls will remedy it as much as possible. The frame is stopped until it bags con- ing and great care should be taken jump and quiver, and cause the same above as even and regular to get the total drafts top great. (Continued on Page 8.) get his drawing as even and regular per yard as possible, as that is the only way he can hope to have even numbers at the spinning. The condition of the weather has some bearing on the weight of the sliver but not very much. Any overseer can make himself familiar with the amount of moisture in the work by convenient size, say six yards of sliver fresh from the machine on a wet, sticky day. Hang this up in the office or some place, and let it stay there until some dry day, and reweigh it, which will of course weigh a little lighter.

Also take the same amount fresh from the machines on a dry day, weigh it and hang it up, and on a wet day reweigh it. He will find that it will gain slightly in weight. He can then govern himself in mak-

ing allowance for moisture.

The Drawing Tender

The drawing tender should be an active reliable person, one that take pride in keeping his machines clean and well oiled, and one that will not make singlings and doublings, as what is done wrong at this process of the mill can never be got right. I consider the drawing the most important process in the mill. and the overseer should not trust it to anybody but a well trained, reliable person. The piecings both in putting up ends at the front and back should be done with great care as a singling or doubling at the drawing multiplies in length a good many times before it gets through the spinning, and of necessity will effect the size and weight of the yarn. Also the twist. The drawing tender should keep clean hands, as unless he does he will invariably soil the sliver every time he pieces up a breakage in the sliver. Soiled piecings at the drawings seem to disappear during the slubbing, roving and spinning process, but it is on the cotton nevertheless, and may cause irregular bleaching in the knit goods. The overseer will do well to get acquainted with his drawing tender, and watch the way he does things and he will see where he can make considerable improvements in the quality of his draw-

Irregular or Cut Drawing

If not caused by trumpets being to open it may sometimes be trac-

dles. Lack of sufficient oiling at and if the slack picks up quickly regular intervals. Roll weights not it is evident that the draft is too Also where there are a large numsel so as to give the maximum great, and should be reduced until ber of machines under one section

drawing may be traced to poor roll fresh varnishing. With metaltic rolls a lump of trash or foreign matter such as gum straw grits, etc., some times gets in the flutes and does a lot of bad work for several days before being located, unless a smart diligent operative is in charge. Too some times it stretches between the diligent operative is in charge. Too some times it stretches between the Drawing frames that are run too much draft between the front rolls can and back roll if it is crossed up fast will fall considerably short in and calender rolls will damage the or has to pull too far.

sliver also, and this can be detected.

The Drafts sliver also, and this can be detected by pressing the sliver between the

so be traced to niling the cans too save trouble and time will substithe drawing conveniently arranged will be beneficial to the sliver as

I reccommend not going over 6.00. the sliver shows a slight tendency man he is liable to have a shortage With leather rolls some times and to run slack. Damaged sliver can al- in change gears sometimes and to full as after the pressure reaches tute a different gear from what is a certain stage on an overfilling can needed on one or more machines the friction will invariably damage which will cause the numbers to the sliver. To keep the cans behind vary considerably, and sometimes vary considerably, and sometimes leads to a very serious complaint.

The Speed

producing first class sliver. No matter how good the operative is, if the Excessive drafts between any of frames run too fast we will be sure

Two Frame

Group Drive

Engineering Department in Textile Districts

Generators for

All classes

of Service

Induction Motors

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Ball Bearings For Cotton Mills, (Continued from Page 3).

sometimes the cylinder ceases to re-The tension on the warp is naturally increased, and the slasher tenders must be particularly careful to start the slashers slowly which cuts down the production of the machine.

advised for slasher cylinders, and the users of the same testify to prove disastrous. Lack of oil and their durability and entire satisfac- continuous running at high speed their durability and entire satisfaction. these bearngs is easily started from overheating with subsequent seizing quently an accumulation of oil-soakrest and the tension of the warp is of the bearing. Fires often have their decidedly deduced; thus a saving in origin in overheated bearings power and increased production A well known jute mill foun make adoption of ball bearings profitable.

cylinder from rest where the slash- a 48-inch exhauster to operate a

sub-basements and other out-of-theto oil or inspect them, they are very easily overlooked. For this reason doubtedly lowers to a very large exball bearings, which require attent the power wasted in friction." tion but three or four times a year. are particularly useful on this type of equipment.

Plain bearings suffer from neglect. The machine equipped with under heavy load frequently cause

A well known jute mill found the substitution of ball bearings for the plain babbitt type a complete rem-Tests indicate that to start the edy for their fan troubles. They use er cylinder is equipped with trun- waste removal system which trans-

Electric Motors. The use of ball bearing for electric motors is proving to be an ever of growing application for the reason pecially adapted for this service. textile mills where there added to this a possibility of ruin- proof against abuse ing fabrics from dripping oil. In the design yet devised. individual ceiling motor drive or the four frame drive where direct connected motors are employed, the in cotton mills usually amounts to possibilities of dripping oil are a such a large percentage of the total constant menace unless the bear- power used, that it is well to connion bearings requires from 7 1-2 ports jute through a large duct line, ings can be sealed against leakage, sider briefly the advantages of ball to 20 pounds, depending upon the The fan is situated on a platform The ball bearing are contained in bearings in shaft hangers, post hang-condition of the bearings. When the near the ceiling of a dusty, lint cov-compact housings which are sealed ers and pillow blocks. on either side by close fitting bear-

In addition to removing all opera- self lubricators without any auxilway places where it is inconvenient ting troubles and reducing the fire iary oiling devices, and the close fit-to oil or inspect them, they are very hazard, the use of ball bearings un- tings caps next to the shaft insure the retention of the lubricant and therefore the prevention of oil leakage along the shaft.

Further than this, the elimination wearing parts in the motor, the freedom from rotating oil rings or The use of ball bearings is highly They must be carefully oiled and that the requirements in textile mills chains in the bearing heads and the dvised for slasher cylinders, and watched, as inattention is likely to are such that ball bearings seem es-compactness of the bearing head construction due to the short length There is always danger from fire in of the bearings along the shafts (see Figure 34) secure for the motor user a construction which is as simed lint around a leaky bearing, and ple as it is rugged and as throughly proof against abuse as any type of

Hangers

The power consumed by line shaft ings can be sealed against leakage, sider briefly the advantages of ball

In March, 1914, a paper presented ing caps. These caps form liberal lubefore the American Society of Mebricant chambers around the ball chanical Engineers showed by combearings. The bearings are positive parative tests the following relative

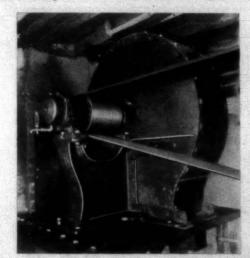


Figure 29.—Exhaust Fan Installed in Jute Mill. (Note the Ball Bearing Box.)

cylinders are mounted on ball bear- ered loft. ings which are protected from the The p intrusion of water and dirt, this trouble. starting effort is reduced to A to .7 pounds; a very decided saving.

rubbing friction in the bearings of course, crippled the system. minimizes the friction and insures long life to bearings.

Scutchers.

Another application of modern ball bearings is in scutchers and cloth expanders of the finishing department. The features of light runnig, cleanliness, freedom from attention, and power saving, warrant guage glass showing the amount of this adoption. One manufacturer oil in the bearing. writes, viz:

en by 2 horse power motors, and driving pulley is located between before the ball bearings were in- the two bearings, the impeller behorse power demand under the same which is required to take up the end conditions.

Fans.

nent use in cotton mills.

Because of the extraordinary na- the fan. ture of the service demanded of cry. Often located near ceilings, in cur with plain bearings.

The plain bearings gave no end of

They were continually overheated, frequently becoming so hot that the The fact that rolling substitutes babbitt melted and ran out. This,

> The installation of self aligning ball bearings boxes in place of the plain bearings occasioned but slight inconvenience. Now the fan runs continuously ten hours daily at 1,-950 revolutions per minute, requiring no other attention than an oiling about every three months. A light grade of engine oil is used, a

The accompaning illustrations We have scutchers working, driv- show the method of installation. The stalled the consumers figured a 4 ing overhung. The thrust bearing thrust of the fan, is provided in the box furthest from the fan casing. The boxes are provided with A recent article entitled "Fan felt packing rings which protect the Trouble Solved by Ball Bearings" is bearings from dirt and line and allow well worth quoting since fans, blow- o lubricant to be washed by leakers and exhausters are in promi- age. Oil-soaked heaps of dust are therefore eliminated from around

Due to the self-aligning feature of them, fans and blowers are subject the ball bearings the weight of the to operating conditions seldom im- overhung fan does not bind the bearrosed on any other type of machin- ing, a condition which is apt to oc-





Sizings and Finishings FOR ALL TEXTILES

Soaps and Softeners

All Silent Chains Look Alike

Without inspecting the details of construction it hard to tell the different makes apart. There is none, however, possessing the Liner Joint of

Link-Belt Silent Chain



THE SUCCESS of the Link-Belt Silent Chain is due almost entirely to the superiority of its joint construction. The segmental liners or bushings, which are removable, extend across the entire width of the chain, thus doubling the bearing surface and halving the bearing pressure on the joint. The bushings (or liners) are case-hardened, and bear upon the case-hardened pin. The latter is free to, and does rotate with reference to the bushings and presents every particle of its surface for wear. As a result it wears uniformly, keeps round, and the chain maintains to the end its high initial efficiency, (98 2 per cent. on actual test).

Write for Link Belt Silent Chain Data Book No. 125

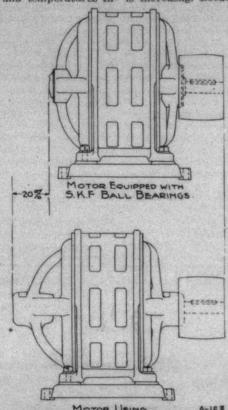
Write for Link-Belt Silent Chain Data Book No. 125

Ball Bearing Hanger, Roller Bearing Hanger, Babbitt Bearing Hanger

amounts of power consumed in fric- It is a well known fact that many tion in three types of hangers. English cotton mills use complete
This table shows the relative equipments of ball bearing hangers,

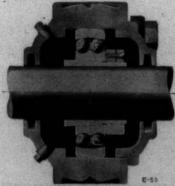
100 Feet per minute. 300 Feet per minute 77 Deg. 100 Deg. 77 Deg. 100 Deg. 2.2

amounts of power consumed in fric- and the number of New England tion by the three kinds of bearings cotton mills following this example at the speeds and temperatures in- is increasing. Because of the lubri-



MOTOR USING BARINGS. Figure 34.—Comparison of Motor Lengths.

dicated; the relatively numbers are cant saving, cleanliness and reduced



-Sectional View of Hanger Box Mounted on Shaft.

based in each case on the average fire hazard, they commend thempower for three loads, 710, 1,210 and selves to the mill superintendent. 1,740 lbs. for balls; 740, 1,240 and The ball bearing for these hangers 1,740 for roller; 730, 1,230 and 1,730 is readily understood by referring for babbitt. used to grip the bearing securely to the shaft and it should be noted that no rotating bearing parts touch the shaft. The casing surrounding the bearing has but one removal cover with plugs on top and bottom for refilling and draining of the large lubricant chamber. Provision against leakage of the lubricant and intru-sion of dirt is effected by a groove and felt washer in each side of the bearing.

Ball bearing hangers are more than power savers. They are power producers and a most means of reducing equipment costs. They save in power, maintenance, lubrication and equipment.



Figure 37.—Typical Installatio n of Ball Bearing Hangers

A bolt weighing one-half pound, placed on the end of a 30-inch pulley is sufficient to start the entire 140 feet of shafting rotating.

LESS SECONDS

ARAGON COTTON MILLS

ROCK HILL, S. C., April 16, 1915.

STEEL HEDDLE MFG. CO.,

Philadelphia, Pa.,

Dear Sirs:

We have had one-fourth of our mill equipped with your FLAT STEEL HEDDLES for nearly one year. We get just as many yards of 80x80 PRINT CLOTH from the steel heddles as we do from the twine harness, and MAKE FEWER YARDS OF SECONDS. I consider it the best harness we can buy. We have just placed the order for the full 560 sets.

> Yours truly, P. B. PARKS, Superintendent.

If you are interested in making cloth of BETTER QUALITY, BETTER PRODUCTION, and at LESS COST for loom-harness supplies, we have some facts that will interest you.

We are specialists in loom harness, including steel drop wires, plain or nickel-plated.

STEEL HEDDLE MFG. CO.

2100-20 West Allegheny Avenue PHILADELPHIA, PA.

SOUTHERN AGENT HAMPTON SMITH, GREENVILLE, S. C.

Starch

Do you realize the importance of GOOD SIZING? We have made a scientific study of the requirements of the textile industry and manufacture SPECIAL STARCHES adapted to every requirement of the industry.

Corn Products Refining Co., New York City

SOUTHERN OFFICE

Greenville, South Carolina.

tarch

Manufacture of High Grade Ring operative to do his work right. To to be taking up or letting off the It will be timely to say that a Frame Knitting Yarns.

(Continued from Page 5.) ends to break more often. Drawing right twist per inch, and careful tions in the numbers. A goodly that can be removed from the proframes that are to produce sliver handling; also the roving must be supply of tention gears should be duct that is to go into high-grade for high grade yarns of medium free from doublings and singlings kept on hand at all times so as to yarn will be that far toward procount should not in my opinion have and stains, and hard ends.

meet the different changes of the ducing it, and the only right way is a front roll speed of over 300 revolutions per minute, and the sliver should not weigh over 50 to 60 and run easily without proper lugrains per vard.

not spoil it on the slubbing and roving frames. What suggestions I have to offer at the slubber apply also at the intermediates and rovslubber at once and while the slubber is stopped to doff. This makes diate hand when the creels his machine. This will avoid getting it in with hard ends and heavy places. I recomend having a draft between 3.25 and 4.00 as I have made considerable inquiries and have tried several kinds of drafts and that seems to be the most popular. The rolls should have the proper weighting on them, as if the sliver is too heavy for the weight on the roll, heavy places will sure make their appearance, in the roving.

The Twist.

Too much twist in the roving will it uneven, and if good cotton is used I recommend for the slubbers 1.10 times the square root of the hank for from,30/100 to 45/100 H, R. This gives sufficient twist to pull course that depends on the equip-

The Oiling.

brication, but the oiling, especially The Slubbing and Roving Frames, the rolls should be done with care, much will get on to the roving and the clearer waste from getting soil it. It the roving frame opera- the tive does the oiling he should be recans should be creeled at the expect to get oil on the roving. The same rule should apply to the cleaning also, as the hands get soilall the piecings and heavy connect- ed while cleaning, and if the operaions come on the empty bobbin and tive pieces a broken end with dirty will be pulled off by the interme- oily hands the roving will be soiled also. The oiling of the bolsters should be done with great care and the work and spoling the roving the surplus oil wiped off, for unless it is it will get on the bobbin gears and finally on the bottom of the bobbins, where it will soil nearly all the roving when it is doffed off and thrown into the box. It is very important that the bottom of the bobbins is kept free from black oil, and dirty lint. Too much oil on the roll will soon get the top clearers

In rooms where there are several less oil supplies. cause it to draw hard, and will make kinds of roving, and crayon has to be used to distinguish the different some colors of crayon show up in

the square root, and on the roving any of the roving machinery, and is frames I recommend 1.30 times the more pronounced on the first few If the drawing sliver is weighed done by a careful person and just ery in good order, and requiring the all means don't allow the operative machine.

should be changed.

Cleaning.

The Slubbing and Roving Frames, the rolls should be done win care. On the roving frames, the shipping cases.

Presuming that we get good sliver and just enough to do the work is clearers should be picked off every to the shipping cases.

The Spinning. from the drawing frames, we must all that ought to be used as too time the frame doffs. This keeps the roving, and causing dirty, specky roving. All loose lint where quired to wash his hands after each it is liable to fly on the ends and exceed 10.00. Yarns that are spun ing frames except the sliver. All oiling which is necessary if we don't twist, should be kept off the machine, the flyers when dirty will get lint on the roving and make dirty, strand than those from single rovheavy portions that won't draw out properly, and makes dirty, ugly grade by the knitters does not con-places in the yarn that some times tain as much twist as the ordinary get through the winder guides and on the cones. The steel rolls should be kept free of oily lint also, as it will keep the top rolls soiled, and also the roving.

The Speed.

machinery, will not run as well ber is the proper amount of twist when speeded too high as it will if to put in. in the bounds of reason, and I rec ommend staying a little under the speed recommended by the ma- dition and kept well cleaned and chine builders. I have always been oiled we may not hope to get good saturated with black oil, which will able to get better work and as much results at the spinning no matter as o get on the roving.

Orayon.

Orayon.

Crayon.

Hard Ends.

Hard ends on the bobbins are kinds, it should be used carefully as caused mostly by the operatives should keep a close watch on the using dirty hands, and twisting the the yarn and make it appear as if roving too hard when they piece it was oil stains. Crayon will some up an end, and any trouble that the off a 12x6 bobbin without any times keep the goods from bleach- overseer goes to in order to stop it stretch and there will be very few ing where it is too heavy.

Stretched Roving.

Stretched Roving.

square root of the hank, if the rov- layers after each doffing. This is four times each day and kept right, ing is 4.00 hank or finer, as finished caused by not having the proper the roving frames will hardly ever fine roving will stretch if it hasn't bottom cone gear, as the surface have to be changed, and one time sufficient twist per inch. The draft speed of the bobbins is greater than each day, preferably afternoon, for the intermediates should be 4.00 that of the front roll, and the re-early in the evening, will be suf-to 4.90 and on fine roving frames sult is that the roving is stretched-ficient to keep the roving right. In 5.00 to 6.00 is the most popular, of ed, if the difference is too great. If order to keep track on my roving I the lay gear, cone gear, and tention size from different machines each ment, as to the lowest draft that gear is correctly proportioned, and time until I get around, this gives can be used. To make first class the bobbins are of uniform size, a me an opportunity of locating any wobbling no matter what the cause yarns we must have good clean roving frame will run a full doff, difference if too great, which is the trouble ought to be located, and even roving, and we can only get with scarcely no breakages, if all some times caused by getting the remedied at once, as a wobbling that by having our roving machin- other conditions are right, and by wrong draft gear on some certain spindle will make poor 15.

make good roving requires the tention, as it will be sure to make good many little things make a few proper lay, the proper tention, the bad running spinning, with varia- large ones, and every small defect weather, and if the ends get too to keep it right throughtout the No machinery will do good work tight or too loose the tention gear process. It is suprising that we get as good results some times as we do, if we watch the carelessness that On the roving frames the top is tolerated from the lapper room

To spin-high-grade yarns on ring frames requires double roving, and the draft of the frame should not from double roving are evener and carries more breaking strength per Yarns that are classed highrun of yarns which has to have it on account of the defects.

Hard, wiry yarn does not make as nice finished garments as the soft yarn, and it is very important not to get it too hard. A roving frame, like all other times the square root of the num-

The Rolls.

Unless the rolls are in good concovered roll will make poor yarn, the same is true of rolls that are dirty and need oil. The overseer The overseer roll covering and also the cleaning and proper oiling of the rolls. The rolls should be cleaned every day, and the front rolls oiled once each day and the back and middle rolls twice each week will be sufficient from that cause. For the inter- The most common cause for rolls and yarn also considerable A good, heavy oil should be used, mediate roving I recommend 1.20 x stretched roving is the tention on damage. preferably one that will not stain the yarn. The oiling should be enough to lubricate is all that should be put on as the surplus will be sure to get on the yarn and stain it, especially if it runs from the

The Spindles.

The spindles should be oiled often enough to keep them running free in the bolsters, and if a spindle is (Continued on Page 15

Ashworth Brothers, Inc.

Tempered and Side Ground Card Clothing

Tops Reclothed.

Lickerins Rewound. Cotton Mill Machinery Repaired

12 to 18 West Fourth St., Charlotte, N. C.

240 River Street, Greenville, S. C.

127 Central Avenue, Atlanta, Ga.

DISCUSSIONS BY PRACTICAL MEN

Announcement of Contest.

During the month of December, Prevention of Uneven Yarn."

85.00.

Seven men of practical mill experience will act as judges of this contest and will decide to whom Department. Cotton now is being the prizes will be paid. The names used. The jute contract amounts of the judges will be published after to \$247,000. they have made their decision.

This is an extremely important Cabarrus Mill Awards Prizes to subject and one upon which many men have different ideas. It is an intensely practical subject and a C, awarded the prizes for best yard contest in which the practical man and gardens. of long experience will have a great one and the houses are all new, and advantage.

We want the practical ideas of practical men and hope that no one will remain out of this contest be-We will correct such errors and the prizes. send the article back to the writer to examine before it is printed.

The rules which will govern the contest will be published in full next \$10 coming for yard and \$5.00 for week

Editor:

Having read the discussion between "Spindle" and "W. R. A." I wish to ask "Spindle" to give me his rule for figuring the percentage of humidity. Suppose the hygrometer is registering 81 on the wet and 85 on the dry bulb, then what is the per cent of humidity. Any in-formation from "Spindle" or any one who can give a correct rule for figuring per cent of humidity will McCranney of No. 76. be appreciated.

Inquirer.

Cotton Factories in Hungary Must Close.

A government decree ordering all factories in Hungary engaged the manufacture of cotton goods to cease work and surrender their stocks for military purposes has thrown 100,000 persons out of work in Bohemia alone and at least as many more in other parts of the

Jute Wins Over Cotton in Postoffice Department.

Washington.-Jute instead of cotton twine will be used by the Post-office Department during the year beginning November 1, for tying letters. The contract for furnishing jute has been awarded the Ludlow Manufacturing Association of Boston, Mass., at \$0.099 a pound deemed to be the lowest bid for furnishing either into ing either jute or cotton submitted

The cotton twine bidders were: 1915, we will run a contest for the Beaumont Manufacturing Company, best practical articles on "Cause and Spartanburg, S. C., at \$0.1687; Glencoe Cotton Mills, Columbia, S. C., at \$0.165 and the Lancaster For the best article on this sub-Mills, Lancaster, S. G., at \$0.15875. ject we will pay \$10.00. For the Subsequent to the opening of the second best article we will pay bids the Lancaster Mills was permitted upon its request to withdraw its bid.

During the year 2,500,000 pounds

Winners.

The Cabarrus Mill, Kannapolis, N. The mill is a new it is also true that the garden spots are new and most of them were in gardens for their first time, but the merous others. people made them yield like old garcause he can not write or spell well. had was deciding who should have ered with burlap. This keeps the

The first prize of \$10.00 for garden goes to H. S. Burris of No. Second prize of \$7.00 goes to Mr. Hunt of No. 40.

Third prize of \$7.00 to Mrs. Mary Lamb of No. 52,

Fourth prize of \$5,000 to F. L. Bos-

Fifth prize of \$5.00 to D. F. Styers of No. 51.

Sixth prize of \$6.00 to J. W. Doan of No. 31. Seventh prize of \$2.00 to H. D.

Eighth prize of \$2.00 to Jim Cline of No. 13

Ninth prize of \$2.00 to J. W. Hare of No. 24.

Tenth prize of \$2.00 to T. H. Cook

Judson Mill

Greenville, S. C.

W. C.	Bobo	Super	intendent
L. A.	Parker		Cardet
v. M.	Parker		Spinner
	Tidwell		
	. Painter		
J. E.	Holkins	Master	Mechanic

Royal Bay Co.

Charleston, S. C.

R. A. Burris	Superintendent
D. A. Poplin	
Jno. Price	Spinner
C: W. Bailey	Weaver
D. E. C. Clough	Cloth Room
Henry Schoats	Master Mechanic

(Continued from Page 4. ed for shipping cotton and woolen yarns, hosiery and underwear. It has proven its value.

This case is being used by such tals of various kinds. representative manufacturers Danville, Va.; Amoskeag Mfg. Co., Manchester, N. H.; Windsor Print Works, North Adams, Mass.; Revo-lution Cotton Mills, Greensboro, N. Aurora Cotton Mills, Burlington, C.; Springstein Mills, Chester, S. C.; Fort Mill Mfg. Co., Fort Mill, S. C.; Toler, Hart & Holt, Fayeetteville, N. C.; Rocky Mount Mills, Rocky Mount, N. C.; Lumberton Cotton Mills, Lumberton, N. C.; Durham Hosiery Mills, Durham, N. C.; Interwoven Hosiery Mills, Martins-burg, W. Va.; Hanes Underwear Co.; Mayo Mills, Mayodan, N. C., and nu-

The three ply circles fit over the The only trouble the judges end of the beams and are then covthe prizes.

The first prize for best yard went carries them to destination in the to J. W. Doan, house No. 31. While better shape. These circles are being used by W. S. Gray Cotton Mills, and the prize on gar-ing used by W. S. Gray Cotton Mills, and Judson Mills, Greenville, S. C.

three ply cloth board claimed by them to be very much said. stronger than any other board on the market and the weight is slightly less than the average cloth board.

They have been making this material for about six years and at of 60,000 feet per day.

The Searchlight Company

light Company of 1016 Karpen Bldg, departments.

to the Department. Cotton is being What You Will See at the Exhibi- Chicago, Ill. to exploit specifically used this year at \$0.1323. Searchlight Welding and Cutting apparatus. They have arranged for space 366 and 367 at this exposigoods of all descriptions, cotton tion and at that time will have complete lines of their apparatus exhas been in existence about ten hibited and will also have expert years and is practically every in-demonstrators showing the manner stance where it has been used it in which Searchlight apparatus may be used for welding and cutting me-

> Riverside & Dan River Cotton Mills, this exposition the Atlanta mana-They will have in attendance at ger, also one or two salesmen, and an expert demonstrator, all of whom are throughly familiar with the art. and-expect the exhibit will arouse a considerable degree of interest.

The Mossberg Wrench Company.

The Mossberg Wrench Company of Central Falls, R. I. will occupy spaces No. 315 and 316, exhibiting loom equipped with the K-A Electrical Warp Stop, and also the line of Sim-Pull and Sim-Plex Countershafts and Belt Shifters. With these will probably a a line drop wires and samples of other metal goods such as they manufacture. both as staples and on special order.

The K-A Electrical Warp Stop for looms is well known in New England cotton mills, and also in worsted and woolen mills throughout the Eastern section. Of its simplicity and adequacy nothing can be gain-

The Sim-Pull and Countershafts and Belt Shifters are recognized Safety Devices, having received a Gold Medal Award at the present time have a capacity Exposition for Safety and Sanitation in New York City last winter, and being listed as such with sev-It is the intention of the Search- eral State and Insurance inspection

Names Wanted.

We wish to get a more complete list of the superintendents and overseers. Please clip out this blank and mail it to us with the names at your mill.
Name of Mill
Town
umber of spindles
(Give exact number).
Number of looms
Overseer of Carding
Overseer of Spinning
Overseer Weaving

Master Mechanic

SOUTHERN TILE BULL FTI

Offices: Room 912 Realty Building, Charlotte, N.C.

Published Every Thursday By

Clark Publishing Company

DAVID CLARK, Managing Editor D. H. HILL, Jr., Associate Editor

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Contributions on subjects pertaining to cotton, its manufacture and distribution are requested. Contributed articles do not necessarily reflect the opinion of the publishers. Items pertaining to new mills, extensions, etc., are solicited.

ADVERTISING.

Advertising rates furnished upon application.

Address all communications and make all drafts, checks and money orders payable to the Clark Publishing Company, Charlotte, N. C.

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THURSDAY, OCTOBER 7, 1915.

Sketches of Exhibits.

Advances in Prices.

In our four October issues we 2nd to 6th.

and we know that these will be to that of the staple. widely read and will tend, not only to raise the attendance but also to increase the interest of those that attend.

The first of these notices are being published in this issue and we suggest to those who expect to be present in Greenville that they make note of features which interest them in order that they may investigate such points carefully a the Exhibition. Every mill man expects to learn much from the exhibitions and with that end in view it would be a good idea to write in advance to each exhibitor for a catalogue of his devices and products. The home address of the exhibitors is given with each sketch and they will be glad to send catalogues and literature. Menin writing that you saw th sketch in the Southern Textile Bul

The month of September showexpect to publish advance notices ed the greatest advance in the price Lawndale. He secured his educaof all the exhibits which will ap- of cotton goods of any month in repear in the Southern Textile Ex- cent years. We have heard some hibit at Greenville, S. C. November claims to the effect that the advance in the price of goods was less than We are publishing these notices that of cotton, but the following without any cost to the exhibitors table giving the figures for all the as we wish all of them to obtain leading lines of gray goods indicate full benefits from the Exhibition that the average advance was equal

		P	rice pt. 1	Price Oct. 1	Adv. per yd.	Adv.
	64x60, 27-inch.		234	31/4	%	2.85c
	7.60 yds.			0 78	78	4.000
	56x52, 27-inch 9.00 yds.		2%	2%	%	3.38c
,	60x48, 3836-inch		3%	4	%	3.90c
,	6.25 yds. 64x60.				~	0.000
7	38½-inch 5.35 yds.	**	3%	41/2	%	3.35e
	68x72 39-inch		414	544		
E	4.75 vds.		41/2	5 1/6	%	3.00c
	39-inch 4.25 yds.		516	5%	- %	2.65e
	80x80		5%	01/		
1	4.00 yds. 80x88.		374	614	%	3.00c
,	39-inch 5.00 yds.		61/4	61/2	%	1.86c
l	48×48,					
3	36-inch., 4.00 yds.		4%	5	%	2,50c
1	31-inch		3%	434	14	2.50c
	5.00 yds. 48x40.					
2	36-inch 5.50 vds.		3%	3%	%	2.00e
	76x72, 40-inch		5%	6	14	2.25c
	9.00 yds.			10 may 10		

88x80, 40-inch 8.50 yds.	6%	7	14	2.13c
96x100, 40-inch 7.00 yds.	 81/4	8%	1/4	3.50c
88x80, 30-inch	 51/4	51/4	36	1.43c

The figures refer entirely to gray goods whereas the advance in colored goods was in most cases considerably greater.

The pessimists and calamity howlers always see the advance in cotton without ever admitting that there has been a proportional advance in the price of goods but the very fact that practically all mills are now busy and many are operating their looms night and day, indicates that the cotton manufacturing business is on a fairly profitable basis.

The strength of the cotton goods situation is shown by the fact that prices responded so promptly to the advance in cotton.

The Passing of Major Schenek.

one of the pioneers and most prominent figures in the cotton manufacturing industry of the South.

His grandfather, Michael Schenck, built in Lincoln county, the first cotton mill in North Carolina. His father, Henry Schenck, was a farmer and, later in life, a cotton manu- for Six Months Ending June 30th: facturer.

The Major was born on November Law 29, 1935.

Reared near his present home in tion at Cokesbury Academy and was soon elected a colonel of the state militia. When the Civil War broke out, he organized Co. F, 56th Regiment and, as its captain, served the Confederacy. He was promoted to the rank of Major for his bravery and leadership on the field of bat-tle. His health failing, he was ordered home by the army physicians. structure and the products were hauled to Lincolnton, the railroad terminus at that itme.

In 1888, the mill at Lawndale was built, the major having secured a partner, Maj. J. E. Reynolds of New York.

In the nineties, without the assistance of a bond issue or outside capital they built the Lawndale rafiroad, which has done so much for the development of Upper Cleveland.

In 1887 he served the State Leg-

Lawndale Lodge for several terms.

To the President of the United States and to the Committee on Finance of the Senate, and the Committee on Ways and Means of the House of Representatives:

The National Association of Cotton Manufacturers respectfully cal's to your attention the following facts reference to the increased importations of cotton cloths and of manufacturers of wool during the months preceeding the outbreak of the European War.

Imports of Cotton Cloths under the Underwood-Simmons Tariff for the Nine Months Before the War Began Compared with Imports for the Corresponding Months Under the Paine-Aldrich Law:

Underwood-Simmons Law.	
November, 1913\$1,016,019	
December, 1913 1,737,412	
January, 1914 1,682,785	
February, 1914 1,454,439	
March, 1914 1,402,071	
April, 1914 1,003,548	
May, 1914 749,032	
June, 1914 753,205	
July, 1914 571,650	

.....\$10,370,161 Paine-Aldrich Law. The death of Major H. F. Schenck, November, 1912 \$ 598,148 president of the Cleveland Mill & December, 1912 992,331 Power Co., Lawndale, N. C., removed January, 1913 958,097 727,121 690,083 532 028 492.262 464.482

> Imports of Manufactures of Wool 1912. \$6,754,771, Payne-Aldrich

> 1913, \$7,227,199, Payne-Aldrich

Law 1914, \$24,173,980, Underwood-Summons Law.

It is evident from these figures that the reduced cuties of the Underwood-Simmons low brought about an immediate and noticable increase in the importations of cotton cloths and of the manufactures of wool.

In some instances the imports of cotton cloths increased 100 cent. and for the total period of He regained his health and built at nine months there was an increase Cleveland Mills the first cotton mill of 68 per cent. In the case of the in Cleveland county. It was a frame manufacturers of wool the increase was even greater, the imports for six months of 1914 being nearly four times as large as the imports during the same period of 1912.

Our cotton and woolen mills are

capable of supplying, at reasonable prices, the entire needs of the American market. Any such increase in the importation of staple textiles as occured before the outbreak of the war, must result in the curtailment of American production and in distress to the wage earners of our textile mills.

islature, with honor and distinction When the war closes, the Amerto himself and county. In politics, ican market will be eargerly sought he was a Democrat, but believed in by the European nations as the moderate protection.

The oldest Man of mulesing their shattered indus-Maj. Schenek was the oldest Ma- of restoring their shattered indusson in point of membership in the tries and recovering their commercounty, having joined Cleveland cial prestige. The world's gold is Lodge No. 202 in 1856. He was pouring into our coffers, and Eumaster of this lodge and also of the rope will seek to replenish its de-

(Continued on Page 16).

PERSONAL NEWS

- A. Wright is now assistant second
- M. T. Boovey has resigned as No. 2 spinner at the Jackson Fibre Co., Bemis, Tenn.
- M. B. Leslie is now overseer of C. weaving at the Maplecroft Mills, Liberty, S. C.

now erecting looms for the Draper Company at Langley, S. C.

John Easler has accepted a position as section man in the car room of the Buffalo (S. C.) Mill.

- A. B. Carter secretary of the Southern Textile Association paid us a visit last Saturday.
- T. G. Moser has become overseer Mills, Bennettsville, S. of weaving at the Fort Mill (S. C.) turn to New England. Mfg. Co. No. 2.
- Mill (S. C.) Mfg. Co. No. 2.
- J. T. Bowers is now flxing looms at night at the Ketshaw (S. C.) Cotton Mills.
- P. E. Lackey of Kershaw, S. C. has become loom fixer at the Laneaster (S. C.) Cotton Mills.

Luther Kellem is now second hand in No. 4 spinning at the Dan River Mills, Schoolfield, Va.

- J. L. Padgett overseer of carding M. C. Sanders formerly with the at the Buffalo (S. C.) Mills has been Texas Company has accepted the quite ill but is reported to be improving.
- A. L. Wilmow of Ann, Ohio, has returned to Charlotte, N. C. and accepted a position with the Westinghouse Electric Mfg. Co.

has accepted the position of overseer spinning at the Hanes Knitting Mills, Winston-Salem, N. C.

- H. B. Ellard, of Gainesville, Ga., band in spinning at the Buffalo has accepted the position of over-(S. C.) Mill. seer of carding and spinning at the Kershaw (S C.) Gotton Mills,
 - M. J. Hawkins has resigned as overseer of carding and spinning at the Patterson Mill, China Grove, N.

Samuel Taylor has resigned as superintendent of the Drayton (S. Otis Wylie of Lockhart, S. C., is C.) Mills. He was presented with a Sition at the Langdale, Ala. silver loving cup by his employees.

- A. B. Everett has resigned his po posi-card Fountain Inn (S. C.) Mfg. Co., to accept one with the Clinton (S. C.)
- A. O. Norris, of Kannapolis, N. C., N. C. J. A. Wooten has resigned as has accepted the position of overoverseer of weaving at the Fort seer of carding and spinning at the Mill (S. C.) Mfg Co. No. 2. Patterson Mfg. Co., No. 1, China Grove, N. C.

Butler McCall has resigned card grinder at the Carolina Mill, Greenville, S. C. and accepted a po sition at the Camperdown Mills of the same place.

- C. M. Bodwen has resigned as overseer of carding and spinning at the Kershaw (S. C.) Cotton Mills, and will retire from the mill busi-
- M. C. Sanders formerly with the position of traveling salesman with the General Fire Extinguisher Co., with headquarters in Atlanta, Ga.
- W. T. Royster, formerly overseer of carding at the Jackson Mills, Monroe, N. C., has accepted a posi-tion in the cotton dry house No. 4, William Miller, of Camden, S. C., of the Dupont Powder Works, Petersburg, Va.

Arthur S. Thomas, formerly superintendent of the Stark Mills, J. B. Holt, of Schoolfield, Va., is Manchester, New Hamshire, has acnow overseer of twisting and spool-cepted the position of superintending at the McAden Mills, McAdenent of the Abbeyville (S. C.) Cotton ville, N. C.

ALBANY



GREASE

try it. No charge. Write no

YOUR DEALER SELLS ALBANY GREASE

ALBANY LUBRICATING CO., 708-10 Washington St., NEW YORK

- W. E .Ford has resigned as second hand in spinning at the Selma (Ala.) Mfg. Co., and now has a position at the West Point Mfg. Co.,
- A. H. Tuck has resigned as master mechanic and chief engineer at the Drayton (S. C.) Mills, and acceptéd a similar position at the Chesnee (S. C.) Mills.
- seer of carding at the Mariboro second hand in No. 4 spinning at the Mills, Bennettsville, S. C., an will return to New England. at the Pickett Mills, High Point,

Chiquola Mlil,

Honea Path, S C.

J. D. Beacham	Superintendent
B. F. Williams .	Carder
G. H. Lollis	Spinner
R. B. Jones	Weaver
Ben James	Cloth Room
J. V. Hughes	Roller Coverer

Southside Cotton Mil,

Winston-Salem, N. C.

Alex. Roberts Superintendent
A. S. Starr Carder
W. R. Ennis Spinner
J. T. Frye Weaver
G. C. StarrNight Carder
Jesse PowersNight Spinner
J. W. Tysinger Master Mechanic

Vass Cotton Mills,

Vass, N. C.

F	L.	Cı	raver.		Super	intend	ent
A.	J.	Q1	dham.			.Wind	ling
J.	A.	D.	Kenne	edyM	aster	Mecha	inic

Franklin Cotton Mills, Concord, N. C.

			Million Contract Cont	Manual Color Color	
B.	L.	Amiel	k	.Superi	ntendent
					Carder
A.	R.	Eller			Spinner
					t Carder
					Mechanic

Paola Cotton Mills,

Statesville, N. C.

T.	M.	Crowell		.Superin	tendent
H.	B.	Massey			. Carder
Ρ.	E.	Adams.			Spinner
W	ill s	Sells	*****	Night	Carder
Ge	0.	Gregory.	· · · · · · S	pinning	Section
Ke	lly	James	T	wisting.	Section

Marion Mfg. Co., Marion, N. C.

erintendent	H. F. Little Gen'l Supt.
Carder	H. F. Little Gen'l Superintendent
Spinner	J. R. Frye Carder
Weaver	S. N. Bradford Spinner
igni Carder	R. O. Wylie Weaver
ent Spianer	J. T. Laughlin Cloth Room
r Mechanic	W. M. Clay Master Mechanic

Rhode Island Mill,

Spray, N. C.

Ivey Mill

Hickory, N. C.

Wm. Stevenson Superintendent H.	W. Warner Superintenden
T. J. Hobson Carder G.	
B. W. Koontz Spinner B.	D. Abernethy Spinne
F. D. Dehart Weaver J.	M. Freeman
J. F. Roddy Engineer T.	J. Leonard Cloth Roon
H. B. Rayfield Master Mechanic J.	B. Clay Master Mechanic



Cramer System of Air Conditioning

WITH OR WITHOUT

Automatic Regulation of Humidity and Temperature

Moderate in Cost

Cheap to Operate

Yields Big Returns

STUART W. CRAMER

CHARLOTTE.

NORTH CAROLINA

MILL NEWS ITEMS OF INTEREST

Kannapolis, N. C .- E. C. Lowery has been awarded by the Cannon the erection of 30 new houses on Ridge Ave.

Long Island, N. C.—The Long Island Mills are installing about 1,000 additional spindles with card room and twister complement. The ma-chinery was purchased from the Saco-Lowell Shops and will be operated on carpet yarns.

Albemarle, N. C .- Holdbrooks and Bradshaw, Salisbury (N. C.) contractors, were Saturday awarded the contract to build a large additional mill for the Efird Manufacturing Company at Albemarle. This firm already has the contract to build an addition for the Wiscassett Mills at Albemarle and will begin work on it this week. The mills are estimated to cost \$500,-000 complete.

Belmont, N. C .- The Climax Spinning Company of Belmont, chartered Monday with \$ \$300,000 capatal authorized and \$100,000 subscribed, for manufacture of yarns and weaving of cloth from cotton, wool, flax, jute and other fabrics. The subscribers to the stock and amount by each stockholder are A. C. Lineberger, Belmont, shares; R. L. Stowe, Belmont, 150 shares; W. B. Ruitt, Belmont, 100 shares; and D. E. Rhyne, Lincolnton, 250 shares.

Columbus, Ga.-The, Eagle and Phenix Mills closed down two days last week, while the corporation will "take stock." This is the regular stock taking time of the concern, and it usually takes two days to complete it.

Everything in the mills is taken stock of; the finished goods in the warehouse; the unfinished goods on the machines; the machines themselves: untouched cotton, etc., in fact, everything in the mill, from end to end, and floor to roof.

Mt. Airy, N. C .- W. D. Burgess, for years one of the leading business men of High Point, N. C., has disposed of all of his holdings there to J. H. Brown, of Mt. Airy, and will shortly move to Mt. Airy, to take active charge of the Laurel Bluff Cotton Mills, which he has

The monetary value of that transaction was not stated, but it is considerable, involving the Peerless Machine works and the handsome residence of Mr. Burgess on North Main street, High Point, as well as the Laurel Hill Cotton Mills and a handsome residence in Mt. Airy. By the deal Mr. Burgess disposes of his property in High Point to Mr.
Brown. In turn, Mr. Brown seils
to Mr. Burgess the Laurel Hill Cotton Mills and residental property in GARLAND MFG. CO., Saco, Maine

Summerville, Ga.-Reports by the officers of a most prosperous year Manufacturing Co., the contract for and the declaration of a 10 per cent the Globe Manufacturing Company dividend placed the stockholders of the Summerville Cotton Mills in an o'clock in the parlors of the First highest offer of any other company exceptional frame of mind at the recent annual meeting of the com-It was also announced that the capacity of the plant would be doubled in the next few months. The officers elected for the ensuing year are: John D. Taylor, president; B. H. Edmondson, vice president, and E. N. Martin, secretary.

> the cotton mill, and a roller mill are retary. running at full speed, and the colonists also own a large share in another hosiery mill in a nearby town. An embroidery factory has been built and the machinery bought and paid for, but not yet received inasmuch as it is of German manufachowever, give hope that it will soon cess and prosperity. resume and continue its journey, and then it will be quickly installed and the Waldensians will add ane enterprises.

was held yesterday morning at 10:00 National Bank. who is president, submitted a very L. G. Potter, D. C. Ross, H. L. Spears, J. C. Otts, Wm. H. Smith, J. N. Lipscomb, A. C. Pridmore, N. H. Littlejohn, J. A. Carroll and R. S. Lipscomb, were re-elected. L. G. Potter was re-elected president and treasurer with D. C. Ross vice-Valdese, N. C .- The hosiery mill, president, and Henry C. Moore, sec-

The directors declared a three per cent semi-annual dividend, payable the first of November. the Globe Manufacturing Company emptying the sewer. has been steadily making money under the management of Mr. Potter, this is the first dividend it has paid ture and is detained at Rotterdam in several years. The stockholders American commerce. Late advices, are looking forward to future suc-

Albemarle, N. C.—Several days days, of this place and the Efird Manufac- Ale other to their string of profitable of this place an othe Efird Manufac-

Gaffney, S. C .- The regular an- made the city board of Albemarle nual meeting of the stockholders of this proposition: The bonds for sewer would be purchased by the mills at considerably more than the Mr. L. G. Potter, making bids. The mills would pay \$4,000 towards putting down the gratifying report. The old board of main line of the sewer system and directors, which consists of Messrs. commence within the next few days and build two additional mills, the Efird Manufacturing Company one and the Wiscassett Mills Company the other, both to cost when com-pleted not less than half a million dollars. This offer was made to the board of aldermen in consideration that the city would allow the mills to tap the town's sewer line and take care of all future suits against the city and the mill companies for While damages that are caused from The board at its special call meeting accepted the offer and an architect form Concord will be here soon to take charge of ture and is detained at Rotterdam in several years. The stockholders the erection of the mills which are by England's interferences with and directors were well pleased and to begin at once. The bonds will be bought by home companies and the sewer system will be put down, work commencing in the next few

> Along with the two new mills becommenced, the Wiscassett turing Company also of Albemarle, Mills Co., and Efird Manufacturing Co. would erect near the mills graded school building, a Y. M. C. A. and gymnasium for the operatives of the mills of these two companies. It is said also that the Wiscassett Mills Company is to commence at once the erection of a dwelling for Capt. Denning, the mill's superintendent, which when completed will be one of the most handsome and costly residences in the city. will be a following of the precedent set by the Efird Manufacturing Company, that company having just finished a handsome residence for its superintendent, Mr. Bennett.

HEADQUARTERS SOUTHERN TEXTILE ASSOCIATION MEETING

November 2d to 6th

OTTARAY HOTEL

GREENVILLE, S. C.

The Value of a trade mark is the quality of the product behind it.

We are so sure of the quality of our rawhide loom pickers that we wish to be identified with each one of the pickers which we send out, and therefore stamp our trade mark in the hide of the picker so that it may be plainly seen even when the picker is worn out.



Parker Interests Have Completed Purchase of Mill.

Lewis W. Parker, of Greenville, who, with J. I. Westervelt, purchased the Enoree Mill property salesday in July, was in Spartanburg Saturday afternoon to complete the purchase and accept the deed.

In conversation Mr. Parker stated that everything had now been satisfactorily arranged. He said, however, that he was unable to make any statements just at this time as to the plans for the operation of the property, but that some announcement may be expected during the next few days. He will leave for New York this week in the interest of the mill.

Under the ruling of Judge Thomas S. Sease Friday afternoon, at Spartanburg, the Parker interests were allowed to make the necessary overdue payment on the mill and to accept deed to the property.

It is presumed here that the Mel-

ville Manufacturing company, re-cently organized in Greenville, with Allen J. Graham as president, to

operate the mill, will take over the property shortly. J. I. Westervelt, who bought the property with Mr. Parker, disposed of his half interest, it was announced some weeks ago, to C. E. Graham.—Daily Piedmont, Greenville, S. C.

Engine Accident.

The Florence Mill, Forest City, N. C., was thrown out of operation Tuesday morning when the piston rod of the engine broke, tearing up the cylinder head. The accident happened about 8 o'clock. Employes rushed from the building when they heard the crash and at the approach of the steam. Only two men were in the engine room at the time of the accident, both had narrow escapes, one being scalded bad-

It is understood that the engine has been over taxed for several months, hence the accident. A new engine will probably be installed. The mill will be out of operation for probably 30 days.

The Florence Mill is preparing to furnish its own water supply, having been using town water since the installation of the waterworks. An artesian well is being bored between the engine room and the weave room.

Program of Meeting of Southern Textile Association, Greenville, S. C., J. P. M. Nov. 5th 1915

Address of Welcome by C. S. Webb, president of Chamber

Response to Address of Welcome

by A. M. Dixon, Gastonia, N. C. President's Address by W. Sherard, Williamston, S. C. "National Labor Legislation" by

Congressman J. F. Brynes, Aiken, "Manufacture of Fine Yarns" by

C. N. Poore, Louisville, Ky. "Causes of Weave Room Inefficiency," by George Harrison, Green-

Aragon Mill Village Fair.

The annual village fair was given at the Aragon Mill village Oct. 2nd, between the hours of 10 a. m. and 5:30 p. m. The cotton warehouse at the mill had been arranged for an exhibition hall and exhibit of every description were on display there. These exhibits were as good as could be wished for, in fact, Maj. W. B. Moore of York, suggested that the York County Fair Association could do no better than to secure the exhibits of the Aragon Mill fair for the county fair.

After allowing those present to view the exhibits while music was furnished by the Carhartt Band, Superintendent Parks of the Aragon Mill invited the crowd present to a



manager-leads directors to seek the best managers. Its final test is efficiency-in the man and machinery.

THE TURBO HUMIDIFIER

was designed on the idea of plain, old-fashioned officiency. Something that would keep young a long time; something that would do the work and give busy managers time to think of other problems. We want to talk to you on these lines-and these

THE G. M. PARKS CO.

Fitchburg, Mass.

Southern Office Commercial Building, Charlotte, N. C. J. S. COTHRAN, Manager.

TEXTILE BOOKS

Carding and Spinning, by G. F. Ivey .- Price \$1.00. A practical book on carding and spinning which will be found useful.

Carding Lessons for the Mill Boy"-Vaughan-Price \$1.00. A practical carder. Written especially for young carders.

Cotton Mill Processes and Calculations-By D. A. Tompkins-Price \$5.00. An elementary text book for textile schools and self-instruction. Every operation in the ordinary cotton mill is explained simply and with the use of illustrations. Contains much information of value to the experienced man. 395 pages; 33 illustrations;

Plain Series of Cotton Spinning Calculations-by Cook-\$1.00. A unique and valuable book giving the calculations used in mixing, carding, drawing, and spinning cotton, also original drawings showing points where changes of drafts, speeds, etc., should be made. Setting, production, doublings. 90 pages; freely illustrated; cloth-

CLARK PUBLISHING COMPANY

CHARLOTTE, N. C.

grove nearby where a stand had been erected for the speakers and seats placed for the audience. Mr Parks acted as chairman and introduced the speakers, the first being R. C. Burts, superintendent of the Rock Hill schools. He was followed by Mayor J. C. Hardin, Miss Mary E. Frayser of the department of home economics of Winthrop College, who has charge of mill village improvement work in this state; Major W. B. Moore of York, president of Neely and Lockmore Mills; H. R. Tucker of the local Y. M. C. A., and Alex Long, president of the Aragon Mill. Mr. Long concluded his remarks by stating that there would be established October 10th a night school at the Aragon and that by this time another year he hoped that the Aragon Mill would have abolished illiteracy.

Everything in connection with the fair compared favorably with anything that has ever been shown in that section, and some were far ahead. At 12:30 an excellent pienic dinner was served. One most noticeable feature of the serving of this dinner was that the children were called up and served first. There were soup and barbecued meats in abundance, and basket dinners of chicken, cakes, pies, etc.

The afternoon was taken up in viewing the exhibits and in athletic games under the direction of H. R. Tucker of the local Y. M. C. A. The weather was favorable and the fair well attended

Amazon Mills Win Prizes.

The Amazon Cotton Mills of Thomasville, N. C., won first prize for the best float in parade on "Everybody's Day" recently held at Thomasville.

Prices Advancing on Cotton Underwear.

Further price changes representing advances for several leading lines of men's cotton ribbed shirts and drawers and union suits were reported in the under-wear market yesterday. The rapidly advancing cotton market is the immediate occasion for these advances, and in addition most of the mills making ribbed underwear are understood to be well engaged for a number of weeks ahead, having orders that will keep them busy until November 1 at least. The sit-uation in cotton as it affects the heavy underwear business was also reflected in the announcement by the P. H. Hanes Knitting Co., of which Clift & Goodrich are selling agents, that they will not take business at this time for December delivery which represents the customary spring business usually unde rway at this season of the year. Journal of Commerce.

MOISTENING

AMERICAN MOISTENING COMPANY **BOSTON, MASSACHUSETTS**

WILLIAM FIRTH, President

FRANK B. COMINS, Vice-Pres. and Treas THE ONLY PERFECT SYSTEM OF AIR COMINS SECTIONAL HUMIDIFIER

JOHN HILL, Southern Representative, 1014 Healy Building, ATLANTA, GEORGIA

Cotton Goods Report

New York.—Cotton goods markets business could have Commission men are very much ahead. prices will go, and express the genprices may be expected to continue. goods.

Gray goods continued active, and by the middle of the week, prices on an eighth cent higher than those of print cloths were a quarter cent the previous week and the 27-inch higher than those quoted during the goods showed practically the same previous week. Many of the mills advance. Sateens showed some act-do not care to enter into contracts ivity and there was a fairly good too far ahead, but those who are volume of business done on these willing to take business for delivery goods. There was some trading on after the first of the year are asking for a premium on it. Sales for dull. deliveries within the next few Pr months are continuing large in vol- ed in New York as follows: ume and many buyers who thought that the rise in prices was only temporary are now willing to pay top prices. Both printers and converters appear to be short of supplies, and have been active in covering their needs.

Brown and bleached sheetings and staple Southern ginghams were advanced during the week. Bleached cotton goods held firm during the week and deliveries on old contracts were large last week. The best known lines are being firmly held and some of them were withdrawn until further develop ments in the market. Sheets, pil-low cases and wide sheetings are now very generally well sold ahead

New business was received in this market from many sections of the country and out-of-town buyers were numerous in the markets las week. The advances named of brown goods, sheetings and crills brought prompt requests from buyers who would not operate in the market when prices were fully ten

per cent below present levels.
In many cases, deliveries are not being made on goods that were bought at bottom prices last August and this fact is forcing many buyers in the market for spot goods. There is some anxiety felt concerning the probability of deliveries on many of the low price contracts that were accepted willingly enough at the time that it was thought the present cotton crop would be sold at 8 cents.

The colored goods markets are much firmer, especially on the coarser end. The difficulty of assuring customers of the fastness of dyes is coming up every day to bother buyers and they are trying now to clean up any cloths that are fast dyed and guaranteed. In some houses sellers are able to command their own price on odd lots of colored specialties such as are used in the manufacturing trades for working suits and other suiting purposes

The Fall River print cloth market continued in a strong position dur-ing last week. The inquiry and inquiry and trading were good and further advances in prices were named. The total sales for the week were about Port recoverland 220,000 pieces, and considerably more Canada

ruled strong and active last week, through had manufacturers been with prices going steadily upward, willing to make contracts further Trading, while covering a concerned as to how far the rise in large number of styles, was as has been the case generally during the eral opinion that as there are no last few months, was mostly consigns of speculation, the advance in fined to wide and medium width

> Quotations on 28-inch goods were twills, but narrow goods continued

Prices on cotton goods were quot-

	Print cloth, 28-in std. 3 3-8	_
	28-in., 64x60s 3 1-4	_
	Gray goods, 39-inch	
	68x72s 5 1-8	_
	38 1-2-inch, 64x64s. 4 3-8	
	4-yard, 80x80s 6 1-4	
	Brown drills std 6 1-4	
	Sheetings, So. std6 3-4	_
	3-yard, 48x48s 6 1-2	_
	4-yard, 56x60s 5 1-2	5 5-8
5	4-yard, 48x48s 5	
	1-julu, 112113 0 1-4	_
3	of Just City and a comment of the co	
7	Denims, 9-ounce14	
3	Selkirk, 8-ounce, d'k.11 1-2	-
)	Oliver, Extra, 8-oz11 1-2	
	Hartford, 11-oz. 40-in	
9		
8	THE PERSONAL PRINCES OF METERS AS	
9	AND	
8		
t	The second of the Contraction of the second	
1	CANADA CA	
S	Kid finished cambries 4 1-4	4 4-5

Crop Movement Into Sight.

Comparisons for the week ended Friday, October 1, 1915:

Weekly Mov	ement	
	1915.	1914.
Port receipts	290,901	162,221
Overland to mills and		
Canada	9,882	5,646
Southern mill takings		
(estimated), exclus-		
ive of takings from		
Southern ports	65,000	70,000
Gain of stocks at in-		
terior towns	67,000	72,406
Brought into sight for	01,000	12,100
the week		
the week	432,783	310,273
	1913.	1912.
Port receipts	424,947	450,344
Overland to mills and	AM 1, 11 11	700,077
Canada	4 8,465	5,084
Southern mill takings.	0,100	0,003
(estimated), exclus-		
ive of takings from		
Southern ports	75,000	75,000
Gain of stocks at in-	10,000	10,000
terior towns	60,442	31,591
Brought into sight for	00,775	01,001
Brought into sight for the week	568,854	562,019
Total Move	200,001	002,010
		451,790
Port receipts	1,000,020	301,100
	48,746	18.104
Canada	365,000	
Southern mill takings	305,000	242,887
Stock at interior towns	150 050	100 000
in excess of Aug. 1	150,652	198,028
Brought into sight	1 FOF 004	000 000
thus far for season	1,595,224	900,809
Brought into sight		797 095
during September	******	733,235
The total crop move-		
ment is respectively		
for		63 days
0 / 0 070 000	1913.	1912.



Our Spinning Rings SINGLE OR DOUBLE FLANGE

START EASIEST, RUN SMOOTHEST, WEAR LONGEST

Pawtucket Spinning Ring Co.

CENTRAL FALLS, R. I.

RICHARD A. BLYTHE

Cotton Yarns Mercerized and Natural

ALL NUMBERS

505-506 Mariner and Merchant Building

PHILADELPHIA, PA.

The Desirability of the South

as the place to manufacture cotton goods is illustrated in the increase of 67% quoted by census department. We can offer attractive situations for those desiring to enter this field.

J. A. PRIDE

General Industrial Agent Seaboard Air Line Railway

NORFOLK, VIRGINIA.

You Can Reduce Weaving Costs

Send us a worn shuttle with completely filled bobbin and state kind of goods woven and name of loom. These will explain your needs and help us to design an fficiency shuttle for your requirements. This shuttle has the approval of loom builders and weaving experts. It should help you to weave better fabric at a

SHAMBOW SHUTTLE COMPANY

Woonsocket, R. I.

123,511 1,626,570 1,451,759 64 days 65 days .. *2.683 added (Texas City, etc.)

a farmer who lay on a cart of fer-tilizer: "Hey, Cornsilk, is this the way to Croydon?" 142,532 tilizer:

The farmer raised himself from the fertilizer in astonishment. "By heck, stranger, how did you know my name was Cornsilk?" he asked. "I guessed it," said the motorist. "Then, by heck," said the farmer

1,651.041 Shronk stopped his motor car at as he drove off, "guess your way to 22,256 a desolate crossroads and yelled to Croydon."—Ex.

The Yarn Market

Philadelphia, Pa.-Business in the yarn market was spotty last week, some dealers getting a good share of the trading, while others did not do much. The largest part of the week's business went to those who were able to compete on prices, and could sell yarns under the prices quoted by spinners. Deliveries were good to weavers and knitters, and collections were good. It was hard to arrive at actual values in the market last week owing to the rapid rise in the cotton market and its effect on the yarn market. Spinners became decidedly firmer - in their quotations, as cotton went higher and some yarns were advanced as much as 3 cents over the price of the previous week. Fixed Southern Two-Ply Chain Warps, Etc. quotations were almost impossible last week, salesmen being required to submit all orders subject to spinner's acceptance, making it a hard market to deal with.

There is a variety of opinions as to the future course of yarn prices, but it is generally agreed that the advance was due to higher cotton and future prices depend on what cotton will do. Some think that the rise in cotton will not last, believing that it is due to a speculative bull movement, but it is also pointed out that the new crop is coming on slowly, and that the remainders of last years crop is held in strong hands and there is little chance of a decline.

There were some good sales of carded knitting yarns to knitters during the week, these being made at various prices. Spinners prices were generally high. There was a good demand for weaving yarns in spots. Dealers unloaded some yarns after the break in cotton and a few of the spinners reduced prices, only to put them back when the market became strong again.

The demand for single combed was not very active last week, as many of the users of these yarns are now being affected by the dry short-Prices were very irregular on these yarns, depending on how badly the spinners needed business. Southern spinners are well sold on these yarns and holding prices firm.

Southern Two-Ply Skeins.

4s to 8s	17	—19
10s to 12s	18	1-2-19
14s	19	-19 1-2
	19	1-2-20
20s	21	-21 1-2
248	22	-
	22	1-2-
30s	24	-24 1-2
368	28	
408	30	31
	37	
60s		-42
3-ply 8s uph		
4-ply 8s uph	olsterv17	1-2-

Southern Single Skeins.

48	to 8s	2
	18 —18 1-	
128	10 1-2-20	

148	*********	18 1-2-
168	************	20 —
20s	************	21 -
228		21 1-2-
268	*************	-22
308	***********	-25

Southern Single Chain Warp.

10s	to 12s	 18 -	18 1-2
148		 18 1-2-	-20
168		 19 -	-20
20s			-21
228		 21 1-2-	-22
248			-22
268		 22 -	-22 1-
30s			-24
408			-31

8s to 10s1	7 1-2-18 1-
12s to 14s1	9 -20 1
2-ply 16s	21
2-ply 20s 2	
2-ply 24s 2	
2-ply 26s 2	2 1-2-23
2-ply 30s	-25
2-ply 40s	
2-ply 5s 8	
2-ply 60s	-42

Couthom Frama Count

	Southern Franc	e cones.
88		18 1-2-
10s		
12s	****	
148		20 —
16s	Serie Conservation	20 1-2
18s	************	
20s	************	20 1-2-
228		21 —

26s		
22s	fleece colors	.21 —
30s		23 1-2-
40s		

Eastern Carded Cons

	Eastern Cartied Cops.
10s	21 —
	21 1-4-
	21 1-2-
	22 —
168	22 1-2-
18s	23 —
	23 1-2-
228	24 —
248	24 1-2-
	25 1-2-
	26 1-2-
30s	28 —

Eastern Carded Peeler Skeins and Warps.

2s, 2-ply	. 26 1-2-
22s, 2-ply	27 —
24s, 2-ply	28 1-2-
26s, 2-ply	29 1-2-
30s, 2-ply	
45s, 2-ply	36 1-2-
50s, 2-ply	46 —

At a movie the other day a picture was shown entitled:

"As God Made It."

Manufacture of High Grade Knitting Yarns.

(Continued from Page 8.) bad bobbins are bad things to have in a spinning room also, as they will give the winders and knitters all kinds of trouble, as they slip and jump, and cause the yarn to have very soft places in it.

A Poor Band.

Another chance to make bad yarn is with a band that is not made the right size, and not tied on properly. prefer a roving band that runs about 120 to the pound. I have tried them all sizes, but this seems to stay on the longest and give the best satisfaction, and if it is tied on properly it will make very little soft yarn when it starts to come off. But I have yet got to find a band that can be relied on not to make some soft yarn, and if the overseer will examine closely the bobbins on the spindles where the bands come off he will find some soft yarn on them, that sometimes will slip through the winders, and give the knitters lots of trouble, and they will kick on soft spots. In order to keep this soft yarn off the cones I require the band boy to take the bobbin off the spindle and start the end to spinning on an empty bobbin. After he gets the bands all on I have him pull the soft yarn off the bobbin, and take it to the winders to be used. The reason this soft yarn makes its appearance on the bobbin before the band comes off is that the band is sometimes a long time in breaking, but continues to get weaker, and during this time we get yarn from that spindle with all kinds of twist, and if the spinner comes along after the new band has been tied on and puts the end up if it is not very soft it will slip through on the cone, but very often it won't run on the knitting machine, and one or two bad cones of yarn in a case will cause the whole case to be condemned.

Great care should be taken to keep all lint and oil off the yarn and the suggestions I have given about the other machines hold true with the spinning, as we must keep the yarn clean and free from both oil and dirty cotton, and while it is absolutely necessary to keep the machinery clean as possible, yet it is better to put it in the waste than on the yarn. And if the operatives are not very careful every time they wipe their roving, and guides they will get dirty lint in nearly all the bobbins on their work. It will be found to a great advantage to clean often and careful, as frames kept clean will cer-

If we card and spin properly we have very little trouble in getting the winding done right, as it will be found that the winder help will take lots of pride in winding good yarn, but some times it will happen that some of the winder help is careless and will make bad work if not watched and reprimanded.

The way that I keep check on the taking a few cones from each hand, trouble.

THE NORTH CAROLINA COLLEGE OF AGRICULTURE and MECHANICAL ARTS

Young men seeking to equip themselves for practical life in Agriculture and all its allied branches; in Civil, Electrical and Mechanical Engineering; in Chemistry and Dyeing; in Textile Industry and in Agricultural Teaching will find excellent provision for their chosen careers at the State's Industrial Col-This college fits men for life. lege. Faculty for the coming year of 65 men; 767 students; 25 buildings. Admirably equipped laboratories in each department.

For catalogue, write

E. B. OWEN, Registrar, West Raleigh, N. C.

"The Clinchfield Route" CAROLINA, CLINCHFIELD & OHIO RAILWAY Carolina, Clinchfield & Ohlo Railway of South Carolina. EFFECTIVE AUGUST 9, 1915. Eastern Standard Time Southbound Bilchorn City, Ky... * 3:00
Haysi, Va... 3:37
Fremont, Va... 4:10
Dante, Va... 4:55 *8:30
St. Paul, Va... 7:25 10:17
Johnson City, Tenn. 9:30 11:45
Erwin, Tenn. *10:30 *12:25
Erwin, Tenn. *5:00 *12:35
Erwin, Tenn. *5:00 *12:35
Erwin, Tenn. *5:00 *3:55
Bostic, N. C... 11:33 4:57
Spartanburg, S. C. *1:30 *6:05 Northbound. *-Daily. A. M. light face type. P. M. heavy face type. Patrons are requested to apply to nearest agent for definite information, or to CHAS. T. MANDEL, Asst. Gen'l Pass. Agent. J. J. CAMPION, V.-Pres. and Traffic Mgr., John City, Tenn.

in as it is very hard to watch so many at one time. Where the winder hands tie the knots with a knotter it is better than by hand, but either way his its advantage and disadvantainly make better yarn than dirty tage, and it is well to watch that end of the process closely also.

The slub catchers should be set close enough to catch all kinds of imperfections, and that is just as close as they will go, not to clamp the thread. Don't allow the bobbins to fall on the floor, and get soiled, but if they do, carry them to the waste basket and not let any of it get on the cones.

If this article happens to fall into Immediately following the projec- quality of my winding is to take the hands of any one having trouble tion of the title on the screen came whole doff cones from one hand with the sale of his yarns and he the flash:

"Approved by the Ohio Board of off. This way is much better than sure that he will overcome his

Personal Items

D. M. Beaver has been promoted to second hand in carding at the Corriber Mills, Landis, N. C.

W. D. Beverly of Anderson, S. C., is now the Southern representa-tive of the Seal Products Co. of

Henry Tillison of the Tucapau (S. C.) Mills, has accepted a position with the Gluck Mills of Anderson,

L. W. Brander, president of the Brander Cotton Mills, Concord, N. C., has purchased a house near the mill for himeslf.

W. D. Burgess of High Point, N. t., has purchased and will manage the Laurel Bluff Cotton Mills of Mt. Airy, N. C.

P. P. Jones overseer of carding and spinning at the Corriber Mills, Landis, N C., was in Charlotte last week to visit his daughter who was operated upon at a hospital.

Robt. J. Walker of Charlotte, Southern representative of the Berlin Aniline Works, left last week for Europe in the interest of his com-

Audria Alexander of Charlotte, N. C., has accepted the position of physical director and associate secre- capital of white tary of the Mill Y. M. C. A. at Kan- anese subjects. napolis, N. C.

Excursion Rates to Greenville For Big Exposition.

The Southeastern Passenger association has issued joint passenger tariff No. 6453, excursion rates to Greenville, S. C., and return, account of Southern Textile exposition, good November 1st, 2d, 3d, 4th and 5th, return limit November 9th.

This tariff covers points in Alabama, Arkansas, District of Columhia, Georgia, Illionis, Indiana, Kentucky, Mississippi, Missouri, North arolina, South Carolina, Tennessee and Virginia and was issued on request of the Greenville Chamber of

Run Down By Gas-Electric Car.

E. Berry Sanders, of the Gluck Mills, Anderson, S. C., was struck and knocked down Sunday evening by the east bound gas-electric car on the Blue Ridge road. The man was lying on the tracks near the new station, in the cut between the Ligon and Ledbetter building. He was lying between the rails and the motorman of the car was unable to see him until he was almost on the body. The curve and the buildings on each side obstructed the motorman's view until he rounded the manufacturing industries that he saw the man as he came mands for increased revenue, are around the curve. He was lying put right in the middle of the track with one leg crossed over the rail, ditions and circumstances. The motorman did everything in his power to stop the car but was un- ing of The National Association of able to do so before hitting the Cotton Manufacturers, September man. The wheels did not pass over 11, 1915.

the body, but rather the pilot struck him and rolled him along the track for a few feet,

Medical assistance was summoned and all that could be done for the man was done as he lay tracks. After a few moments work, the doctors took him to the hospital in an ambulance and dressed his wounds there. There is a good chance for his recovery. A pint bottle of whiskey was found near

Arm Caught in Picker,

Colon Young, a boy 14 years of age, had his right forearm badly injured at Brockford (N. C.) Mills, where he was working. The arm was caught in the picker rolls and was badly lacerated up to the e bow. He was carried to the Richard Baker hospital where the wounded arm was dressed.

Japanese Subsidizes Dyestuff and Chemical Industry.

An outline of the plan of Japanese Government to subsidize a dyestuff and chemical industry in order to make Japan independent of German concerns was made public Monday by the Bureau of Foreign and Domestic Commerce at Washington, D. C. Under a bill passed by both houses of the Japanese Diet, subsidies will be granted for 10 years to concerns, one-half of the capital of which is owned by Jap-

"The manufacture of the materials for gunpowder will be regardeu as the manufacture of dves and chemicals,' 'the announcement said. "As has been the case with other countries, Japan has suffered verely from the shortage of dyestuffs and chemicals since the outbreak of the war. In normal times the imports of the dyes were valued at about \$3,500,000 a year, nearly all of which came from Germany.

To the President of the United States and to the Committee on Finance of the Senate, and the Committee on Ways and Means of the House of Representatives:

(Continued from Page 10.)

pleted supplies by sending to us enormous quantities of manufactured goods

Competition for the American market will result in the flerciest commercial warfare that the world has known, and a wise solicitude for our national welfare should prompt such a revision of our tariff laws as will place the nation in a state of preparedness against invasion of foreign goods.

If our motto is to be then we respectfully urge your earnest attention to the danger which will threaten American unless short curve just at where the man tariff duties, adjusted to the new lay. Motorman J. H. Maxwell stated conditions and to the growing deinto effect in place based upon entirely different con-

Adopted at the Ninety-ninth Meet-

FOR SALE

20 Lowell Machine Shop Spoolers, for all practicable purposes, as good as new. These Spoolers will be sold at a bargain.

Also, about 10,000 41x6-inch Metal Head Spools, all in good condition. Will be sold cheap. Parties inter-

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SOUTHERN AGENTS FOR SMYTH-DESPARD COM-PANY'S HIGH-GRADE OAK AND CHROME TANNED LEATHER BELTING

Quality and workmanship guaranteed, deliveries prompt.

WRITE FOR PRICES.

SCOTCH SIZE OR KLEISTER



This is an old preparation well known to the majority of Cotton Manufacturers, on account of the general satisfaction it has always given. A binder for both fine and coarse counts combines readily with any



as it starches on the yarn. Manufacturers of exports and denims find it valuable, as it reduces shedding and loom waste to a minimum. Should use Raw Tallow or Soluble Tal-

low in addition. Write for formula. CAMERON MacRAE Southern Sales Agent CHARLOTTE, N. C.

ARABOL MANUFACTURING COMPANY 100 William Street, New York

CAMERON MacRAE CHARLOTTE, N. C. Southern Sales Agent

PROPER LOCATIONS FOR MILLS.

United States Census figures show that since 1880 the consumption of cotton in mills of the cotton growing States has increased 1,502 per cent, as compared with an increase of only 95 per cent in all other states. In the twelve months ended August 31, 1914 Southern mills consumed 162,097 more bales of cotton than the mills of all other States. Three-fourths, or 9,000,000, of the total cotton spindles in the cotton growing States are tributary to Southern Railway tracks. Of the 200 knitting mills in the South over 125 are located along the Southern Railway. Nearly all the Southern woolen and silk mills are also on Southern Railway tracks.

There is a reason for this, and it is not difficult to understand.

The Southern Railway Lines enter and serve most completely those portions of the South where the textile industry is the greatest success, because there are found all the conditions which makes for successful manufacture—the proper transportation facilities, the ease with which the raw material and the needed fuel may be secured, the supply of good labor, the pure water, the low cost of power, and favorable local conditions.

Not only for textile plants but for all other industries the best advantages will be found in this territory.

If you have a plant to locate, let us take up with you the question of the proper location. Your plans will be held confidential. Our knowledge of conditions at various points and our experience in locating other mills and the time of our agents in making special investigations are at your service if desired.

M. V. RICHARDS, Industrial and Agricultural Commissioner, Southern Railway,

Room 129,

Washington, D. C.

Want Department

Want Advertisements.

If you are needing men for any position or have second hand ma-chinery, etc. ,to sell the want col-umns of the Southern Textile Bulletin afford the best medium for advertising the fact.

Advertisements placed with us reach all the mills and show results.

Employment Bureau.

The Employment Bureau is a fee ture of the Southern Textile Bulletin and we have better facilities for placing men in Southern mills than any other journal.

The cost of joining our employment bureau is only \$1.00 and there is no other cost unless a position secured, in which case a reasonable free is charged.

We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern textile industry.

Farm For Sale.

For Sale-100 acres well improved farm, one mile from 15,-000 spindle cotton mill, Goldville, S. C. Good schools and churches. New 4-room dwelling. New barn. Two tenement houses, and necessary outhouses. 75 acres are under cultivation. Ideal farm in many respects. Write for further particulars and price Farm, care Southern Textile Bul-

Wanted.

Overseer for spinning, twisting and warping, in a new 15,000spindle combed yarn mill, about to be built to make from 40s to To be located in a clean and healthy town not far from Charlotte, N. C. Good wages to right man. Address "Spinner," care Southern Textile Bulletin.

WANT position as superintendent.
Would like to figure with any
mill that is not getting results.

WANT position as superintendent or as carder and spinner. Ex-perienced in both yarn and weaving mills, and can give satisfac-tion. Am now employed, but would change for larger mill. Address No. 1211.

WANT position as overseer of large card room or as asst. Supt. Now employed but would change for larger job. Good references. Address No. 1212.

Help Wanted.

Wanted - Slubber, intermediate and speeder tenders. Lincoln Cotton Mill Co., Evansville, Ind

For Sale.

38 deliveries drawing 12-inch coilers, Saco-Pettee make; 6 de-liveries drawing, 10-inch coilers, Pettee make: 8 deliveries drawing, 10-inch coilers, Lowell make. with metallic rolls. 1 Providence 10x5 Intermediate, 72 spindles each; 5 Providence 7x3 fine frames, 160 spindles each; 1 cleaning trunk for pickers; 21 F. & J. spinning frames, 208 spindles, 1 1-2-inch rings; 2 1-2-inch guage, double roving creels; 11 F. & J. wet twisters, 192 spindles, 1 3-4-inch rings, 4-ply creels.

All this machinery now running and producing a high-grade yarn, but is to be replaced in next 90 days with different machinery. This machinery in good physical condition. Prices reasonable. For further informa-tion address Oherry Cotton Mills, Florence, Ala.

WANT position as superintendent of small mill or as carder and spinner. Have had long experience and always give satisfac-tion. Reason for changing better salary. Age 45. Married. Strictly Experienced from ground up on both white and colored work. Address No. 1213.

WANT position as superintendent or overseer of carding. Have experience and knowledge of the business and can furnish entirely satisfactory references from for mer employers. Address No. 1215.

WANT position as overseer of spinning and winding. Have had 12 years experience as overseer.
Age 35. Strictly sober. Good
manager of help. Now employed.
Good references. Address No.

WANT position as Supt. or over-seer of carding. Age 41. Married. Gradute of Inter. Cor. Sechool. Have been successful as overseer of carding, spinning, weaving, slashing, beaming and dyeing.

WANT position as Supt. Long experience as carder and spinner and am now employed as Supt. of small mill. Best of references. Address No. 1218.

WANT position as overseer of large card room or as assistant super-intendent. Now employed but would change for larger job. Address No. 1219.

WANT position as overseer of spin-Experienced in both positions, in weaving and spinning mills. Now employed. Satisfactory references. Address No. 1217.

WANT position as Supt of yarn mill or carder. Long practical experience on all classes of yarn from 4s to 180s. Also experience on automobile tire fabrics. Addres No. 1220.

WANT position as overseer of spinning at not less than \$3.50 per day. Have 20 years experience in mill work and am at present employed, but prefer to change. Address

position as superintendent. Now superintendent of small mill and giving satisfaction, but want larger job. Was overseer of carding for many years. Fine references. Address No. 1222.

WANT position as superintendent or overseer of large card room. Long experience in one of the most successful mills in the South and can give them as references. Address 1223.

WANT position as master mechanic. Have had 15 years experience in shop and steam plant and can give satisfaction. Can furnish excellent references. Have family of mill help. Address No. 1224.

WANT position as superintendent of yarn mill or superintendent of large spinning room. Have 23 years' experience as carder and spinner, 18 years of which have been overseer. Strictly sober. Now employed. Good references. Address No. 1225.

WANT position as superintendent of 10,000 to 20,000 spindle mill in N. C., or S. u. Age 48. Have 30 years experience on wide variety of white and colored goods. Have been superintendent for 20 years and am now employed. Strictly sober. Good references. Address

WANT position as Supt. Am now employed and have held present present job 10 years but want larger mill. Good references. Address No. 1227.

WANT position as overseer of spinning or carding and spinning. Long experience. Now employed. Good references. Will not consider less than \$2.50. Address No. 1228

WANT position as overseer of weaving. Have been promoted from loom fixer through to overseer at present mill, which is discarding its looms. Fine references from present employers. Address No.

WANT position as superintendent or overseer of weaving. Held one position seven years and can give all former employers as reference. Address No. 1230.

WANT position as superintendent Prefer a yarn mill. Have had long experience and can furnish the best of references from former employers. Address No. 1231.

WANT position as overseer of weav ing. Now employed as second hand on fancy fine goods. Can give good references from present and past employers. Address

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WANT position as superintendent of weaving or yarn mill of not less than 15,000 spindles. Now employed as superintendent, but want larger mill. Fine references. Address No. 1233.

POSITION wanted as superintendent by practical man of executive ability, fully capable of managing a mill, one who will stay on the job and get results. 12 years overseer. 10 years superintendent. Experienced on plain and fancy weaves. A-1 references. dress No. 1234.

WANT position as superintendent, overseer of weaving or traveling representative. Have had experience in all three positions and am well qualified for each. Would prefer connection with some sizing manufacturer. Address No.

WANT position as carder or spinner, 18 years overseer of carding and spinning, and am well versed in all processes of cotton manufacturing, including twisting and twine-making. Am a middle-aged man with family. Can give good references. Address No. 1236.

WANT position as superintendent of small mill, where I can invest part of my salary. Have long experience as overseer of carding and am now employed as such but want place as superintendent. Age 35. Good habits. Excellent references from present employers. Address No. 1237.

WANT position as overseer of weaving. Have had long experience on noth white and colored work and all makes of looms. Can furnish satisfactory references. Address

WANT position as superintendent or as overseer of large card room. Have had long experience in both positions with special reference on fine yarn. Best of references Address No. 1239.

WANT position as superintendent of either yari, or weave mill or carder in large mill. Now employed, but want larger job. Good experience and references. Address No .1240.

WANTED-Position of overseer of weaving, preferably Drapers, at \$4.00 or more per day. 19 years in the weave room. 36 years of age. Married.. Total abstainer. Now employed as overseer. Pusher for production, quality and low costs. Present salary inadequate for large growing family. Address No. 1241.

- WANT position as superintendent of medium sized mill or overseer spinning in large mill. Have had long practical experience and can furnish excellent references. Address No. 1242.
- WANT position as superintendent of weaving mill. Experienced on both white and colored goods. Familiar with all departments and larger job. Address No. 1256. am now employed as superintendent. Address No. 1243.
- WANT position as Supt. or manager Now employed as Supt. but undesirable location and prefer to change. Long experience and fine references. Address No. 1244.
- WANT position as superintendent of either plain weaving or yarn mill. Am all-round practical mill man, but especially strong on carding. Have made a close study of waste problems and am m position to more than save my salary in the waste account. Let me investigate your waste conditions. Correspondence confidential. Address No. 1245.
- WANT position as overseer of weaving. Draper or plain looms. Am experienced on drills, duck, osnaburg and sheetings. Can give good references as to character, and ability to get the required production. Address No. 1246.
- WANT position as overseer of twisting, spooling and winding. Married: Strictly sober. Can give present employers reference. Address No. 1247.
- WANT position as overseer of carding. Now employed, but want larger job. Special experience on combers and fine work. Satisfactory references. Address No. 1248.
- WANT position as overseer spinning in small mill or second hand in large mill. 39 years of age, with years experience in spinning. Prefer mill in a small place. Good references. Address No. 1249.
- WANT position as overseer of spinning. Reason for changing better myself. Now employ Now employed. Address No. 1250.
- WANT position as superintendent of medium sized mill or overseer of spinning. Eight years experience as overseer. Married. 42 years of age. Good references Can change on short notice. Ad- WANT position as superintnedent of yarn mill. Have had long experdress No. 1251.
- WANT position as superintendent. Have been superintendent of some of the most prosperous mills in the South and have long exper-ience on a wide variety of goods. Fine references. Address No. 1252.
- WANT position as superintendent. Now employed but for good reason prefer to change. Am a good manager of help and have always made good. Satisfactory references. Address No. 1254.
- WANT position as superintendent. Now hold traveling position but wish to return to mill. Long ex-

- always made good. Fine references from former employers. Address
- WANT position as superintendent or overseer of carding or spinning. Can furnish present and former employers as references. Only reason for changing is that I want
- WANT position as overseer of weaving. Have had long experience and am now employed, but for good reasons prefer to change. Fine references. Address No.
- WANT position as superintendent or overseer of carding and spin-Long experience and now employed. Can furnish satisfactory references. Address No.
- WANT position as overseer of weaving at not less than \$3.00 per day. Now employed and give satisfaction but prefer different kind of job. Address No. 1260.
- WANT position as overseer of carding or spinning or both. Have had long experience and can furnish best of references both as to character and ability. Address No.
- WANT position as carder or spin-Now employed at night and give satisfaction but want day job. Can furnish good references. Address No. 1262.
- THROUGHLY COMPETENT AND ENERGETIC YOUNG SUPERIN-TENDENT OF 30 YEARS WANTS larger position. Am practical and capable of giving good service on either plain, fancy or colored goods. Will be pleased to submit references and correspond with any good size mill needing a man. Address No. 1263.
- WANT position as engineer master mechanic. 15 years experience in engine room and shop. Am employed at present but desire to change. Good references. Address No. 1264.
- WANT position as superintendent of large mill. Now employed in good size mill and give entire satisfaction but want larger job and am competent to handle one. Address No. 1265.
- ience and can furnish best of references from former employers. Address No. 1266.
- POSITION as superintendent wanted by a practical mill man. Have had 14 years experience as superintendent and thoroughly understand all details connected with the manufacturing of cotton goods. Can give A-1 references as to ability and character. Address
- WANT position as mill machinist or master mechanic. Understand cotton mill work and all kinds of brazing. Now employed. Good references. Address No. 1268.

- perience as superintendent and WANT position as superintendent or overseer of large weave room. Have had long experience and handled some of the most successful mills in the South. Can furnish good references and get results. Address No. 1269.
 - WANT position as overseer of spinning. Am now employed and giving satisfaction, but want better mill. First class references. Address No. 1270.
 - WANT position as superintendent or office man. Besides having long experience as superintendent, as thoroughly experienced bookkeeper and accountant. Address
 - WANT position as superintendent. Prefer a yarn mill. Age 39. Strictly soher. Have held present position six years and can furnish first-class references. Ad-Address No. 1272.
 - WANT position as overseer of carding. Would accept second hand in a large mill. Now employed and have had long experience. Best of references. Address No.
 - WANT poscition as superintendent of yarn mill or as overseer of carding. 12 years experience as overseer and can got results. Married and strictly sober. Address WANT position as superintendent or No. 1274.
 - WANT position as overseer of spin-Have had long experience and have run large rooms successfully. Can furnish best of references. Address No. 1275.
 - WANT position as superintendent, overseer of weaving or traveling salesman. Have had experience in such positions and can furnish good references. Address No. 1276.
 - WANT position as bookkeeper or of-fice man in cotton mill. Eight years experience in cotton mill office work and at present have charge of a mill office. Best of references. Address No. 1277.
 - AN EXPERIENCED MAN wishes to correspond with a mill that needs a superintendent that can get results. Age 3. Married. Held last position nine years. Gilt e references. Address No. 1278.
 - WANT position as superintendent, or carder and spinner. Especially experienced in card room. Can give fine references and good reason for wanting to change. Address No. 1279.
 - WANT position as carder in large mill or superintendent of small WANT position as chief engineer or mill on hosiery yarns. Now employed and giving satisfaction, but prefer to change, Good references. Address No. 1280.
 - WANT position as chief engineer and master machinest. 42 years experience. Strictly soher. Good manager of help and can keep plant in tip-top shape at low cost. Address No. 1281.

Commonwealth hotel

INCORPORATED

Opposite State House, Boston, Mass.



Offers rooms with hot and cold water for \$1, which includes free use of public shower baths.

NOTHING TO EQUAL THIS IN NEW ENGLAND

Rooms with private baths for \$1.50 per day; suites of two rooms and bath for \$4.00 per day.

ABSOLUTELY FIREPROOF Temperance House Send for Booklet

STORER F. CRAFTS, Gen. Mgr

- WANT position as master mechanic. 20 years experience and can furnish fine references. Have 2 dof-fers and 1 spinner. Am strictly sober. Address No. 1282.
- overseer of spinning. Age 38. Held last position five years and can furnish very satisfactory references from South Carolina mills. Address No. 1283.
- WANT position as carder and spinner. Now employed but have good reasons for desiring to change. Can get results and can give present employers as references. Address No. 1284.
- WANT a position as overseer in small spinning room, or second hand in larger room. Have had ten years experience in spinning and spooling. Age 30. Married strictly sober. Address No. 1285. and strictly sober. Address No.
- WANT position as overseer of spinning, spooling, warping and slashing. Have 15 years experience in that line. Married. Can give good refernces. Address 1286.
- WANT position as overseer of sponning or as second hand in large room. Experienced on 4s to 60s, warp, hosiery and mercerizing yarns, single and ply. Married. Age 39. Can furnish references as to ability and character. Address No. 1287.
- master mechanic. Have 12 years experience and am now employed, but wish to change. Address No.
- WANT position as overseer of weaving. Now employed, but want larger job. Have had long experience as overseer spinning and class of references. Address No.

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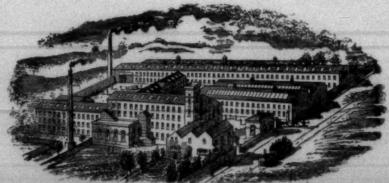
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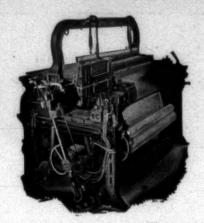
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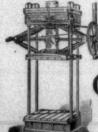
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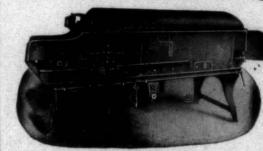
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